

# ENRON

## OIL & GAS COMPANY

P.O. BOX 1815, VERNAL, UTAH 84078 (801)789-0790

**RECEIVED**

MAR 29 1991

DIVISION OF  
OIL GAS & MINING

March 22, 1991

Bureau of Land Management  
Vernal District  
170 South 500 East  
Vernal, Utah 84078

RE: APPLICATION FOR PERMIT TO DRILL  
NATURAL BUTTES UNIT 307-6E  
SECTION 6, T10S, R21E  
UINTAH COUNTY, UTAH  
LEASE NO. U-01791

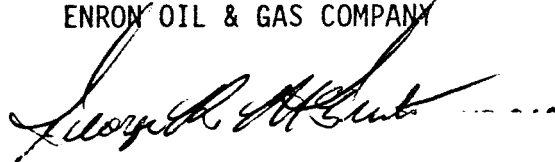
Dear Mr. Forsman:

Enclosed are the original and two (2) copies of the Application for Permit to Drill and associated attachments for the referenced well.

If further information is required regarding this matter, please contact this office.

Sincerely,

ENRON OIL & GAS COMPANY



George R. McBride  
Production Foreman

/lw  
Attachments

cc: State Division of Oil, Gas & Mining  
D. Weaver/R. Dean/R. Mellott  
D. Zlomke  
File

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☐

GAS  
WELL ☒

OTHER

SINGLE  
ZONE ☐

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

ENRON OIL & GAS COMPANY

3. ADDRESS OF OPERATOR

P.O. BOX 1815, VERNAL, UTAH 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface

1979' FSL & 2000' FEL NW/SE  
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

APPROXIMATELY 12 MILES SOUTHEAST OF OURAY, UTAH

10. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest orig. unit line, if any)

1979'

16. NO. OF ACRES IN LEASE

2163.60+

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

80

18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

1809'

19. PROPOSED DEPTH

6490' WSTC

20. ROTARY OR CABLE TOOLS

ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4988'

22. APPROX. DATE WORK WILL START\*

JUNE 15, 1991

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8"	32.3#	200'	150 sx Class "G" + 2% CaCl <sub>2</sub>
7 7/8"	4 1/2"	10.5#	6490'	50/50 Pozmix +2% gel +10% salt to 400'+ above all zones of interest (+ 10% excess). 65/35 Pozmix +6% gel +3% salt to 200 above oil shales and/or fresh water shows (+5% excess).

RECEIVED

MAR 29 1991

SEE ATTACHMENTS FOR:

8 Point Plan  
Drilling Program  
bOP Schematic  
Surface Use and Operating Plan  
Location Plat  
Location Layout  
Topographic Maps "A", "B", and "C"

DIVISION OF  
OIL GAS & MINING

Enron Oil and Gas Co. will be the  
designated operator of the subject  
well under Nation Wide Bond #74563

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

*Linda L. Wall*

TITLE

Sr. Admin. Clerk

March 22, 1991

(This space for Federal or State office use)

PERMIT NO.

43-047-30014

APPROVAL DATE

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL GAS AND MINING

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE: 4-26-91

BY: *J. J. Johnson*

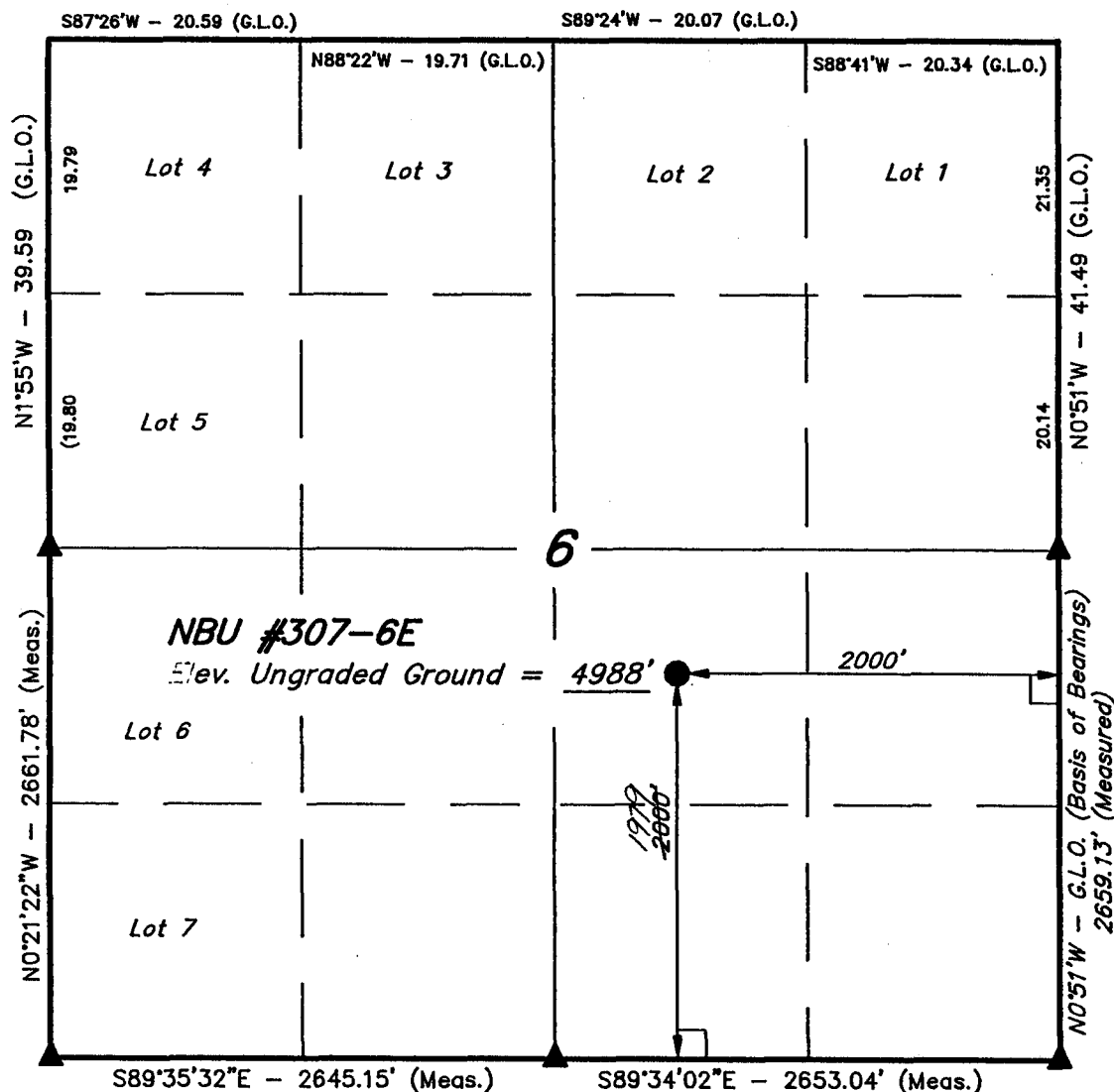
WELL SPACING: 665-2-3

\*See Instructions On Reverse Side

**T10S, R21E, S.L.B.&M.**

**ENRON OIL & GAS CO.**

Well location, NBU #307-6E, located as shown in the NW 1/4 SE 1/4 of Section 6, T10S, R21E, S.L.B.&M. Uintah County, Utah.



▲ = SECTION CORNERS LOCATED. (BRASS CAPS)

**BASIS OF ELEVATION**

TWO WATER TRIANGULATION STATION IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN. NE QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.



**CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

*Robert L. Kay*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 5709  
STATE OF UTAH

**UINTAH ENGINEERING & LAND SURVEYING**  
85 SOUTH 200 EAST - VERNAL, UTAH 84078  
(801) 789-1017

SCALE 1" = 1000'	DATE 2-25-91
PARTY G.S. J.F. R.A. B.C. R.E.H.	REFERENCES G.L.O. PLAT
WEATHER COLD	FILE ENRON OIL & GAS CO.

EIGHT POINT PLAN

NATURAL BUTTES 307-6E

SECTION 6, T10S, R21E

UINTAH COUNTY, UTAH

1. & 2. ESTIMATED TOPS & ANTICIPATED OIL, GAS & WATER ZONES:

FORMATIONS	DEPTH	TYPE ZONES	MAXIMUM PRESSURE
Uinta	Surface		
Green River	1,450'		
"H" Marker	2,975'		
"J" Marker	3,635'		
Base "M" Marker	4,295'		
Wasatch			
Peters Point	4,765'	GAS	2400 PSI
Chapita Wells	5,295'	GAS	2600 PSI
Buck Canyon	5,855'	GAS	2900 PSI
EST. TD	6490'		

All depths are based on estimated KB elevation 5000'. Maximum pressure estimates are based on bottom hole pressures measured on offset or near vicinity wells to the subject well.

3. PRESSURE CONTROL EQUIPMENT: BOP Schematic Diagram attached.

4. CASING PROGRAM:

<u>HOLE SIZE</u>	<u>INTERVAL</u>	<u>LENGTH</u>	<u>SIZE</u>	<u>WEIGHT</u>	<u>GRADE</u>	<u>MINIMUM SAFETY FACTOR</u>		
						<u>COLLAPSE</u>	<u>BURST</u>	<u>TENSILE</u>
12 1/4"	0' -200'	200'	9 5/8"	32.3#	H-40 ST&C	1400 PSI	2270 PSI	254,000#
7 7/8"	0' -6490'	6490'	4 1/2"	10.5#	J-55 ST&C	4010 PSI	4790 PSI	146,000#

All casing to be used will be new or inspected.



EIGHT POINT PLAN

NATURAL BUTTES UNIT 307-6E

PAGE NO. 2

5. MUD PROGRAM:

<u>INTERVAL</u>	<u>MUD TYPE</u>	<u>MUD WEIGHT</u>	<u>WATER LOSS</u>	<u>ADDITIVES</u>
0' - 200'	Air			
200' - 3500'	Air/Water			
3500' - 6000'	Air/2% KCl WTR			
6000' - TD	Polymer	8.6	8-12	Polyacrylamide anionic polymer w/LCM & viscous sweeps.

Sufficient mud inventory will be maintained on location during drilling to handle any adverse conditions that may arise. 400 bbls of 9.5 brine water will be stored on location for well control if needed.

6. EVALUATION PROGRAM:

Logs: Dual Laterolog/GR From base of surface casing to TD.  
FDC-CNL/GR/Caliper TD to 2900'.  
Mechanical sidewall coring tool (optional).

Cores: None Programmed.  
DST' : None Programmed.

Completion: To be submitted at a later date.

7. ABNORMAL CONDITIONS:

None anticipated.

8. STANDARD REQUIRED EQUIPMENT:

- A. Choke Manifold
- B. Kelly Cock
- C. Stabbing Valve
- D. Visual Mud Monitoring

Attachment: BOP Schematic Diagram

**ENRON**  
Oil & Gas Company  
DRILLING PROGRAM

Date: February 5, 1991

REVISION NO. & DATE: \_\_\_\_\_

PROSPECT: NATURAL BUTTES UNIT LEASE: U-01791 (0050621-000)

WELL NUMBER: Natural Buttes Unit 307-6E

WELL CLASSIFICATION: DW-GAS ANTICIPATED PRODUCTION: OIL    GAS X OTHER   

LOCATION CALL: 1919'  
2000' FSL & 2000' FEL (NW SE)

Section 6, T10S, R21E

Uintah County, Utah

ELEVATION: 4987' GL, 5001' KB estimate

DIRECTION LIMITATIONS: Maximum deviation for the hole will be 6° w/no more than a 1°/100' dogleg severity. See page number 4 for distance between surveys.

TYPE RIG: Land Rotary APPROVED DEPTH: 6490' PERMIT DEPTH: 6490'

CONDUCTOR NEEDED? No If yes, size & how set: \_\_\_\_\_

**RECEIVED**

MAR 29 1991

DIVISION OF  
OIL GAS & MINING

HOLE SIZE	CASING SIZE	DEPTH	CEMENT PROGRAM
12½"	9-5/8"	200'	Cement w/150 sx Class "G" cement + 2% CaCl <sub>2</sub> + ¼#/sx celloflake. Circulate water ahead of slurry.
7-7/8"	4½"	6490'	<p>Cover interval from TD to 3000'± w/50/50 Pozmix + 2% gel + 10% salt. Volume to be calculated from caliper log annular volume to 3000'± plus 10% excess.</p> <p>Cover interval from 3000'± to 200' above oil shales or fresh water shows (whichever is shallower) with 65/35 Pozmix + 6% gel + 3% salt + ¼#/sx celloflake. Volume to be calculated from caliper log annular volume from 3000'± to applicable upper depth plus 5% excess.</p> <p>Circulate casing 2 hrs minimum before cementing or until mud is not gas cut. Reciprocate casing during cementing. Pump 20 bbls mud flush ahead of slurry.</p>

CRITERIA FOR DETERMINING CASING SEAT FOR CRITICAL STRINGS: WOC overnight before cutting off surface casing to weld on head.

WELL NAME: Natural Buttes Unit 307-41

## CENTRALIZERS (DEPTH &amp; TYPE):

Surface - One 8' above shoe & top of first, second & fourth joint.Production - One 8' above shoe, every other collar across all zones of interest  
every sixth collar across remaining intervals to 3400'±.

## STAGE COLLARS, BASKETS, OTHER SPECIAL EQUIPMENT:

Surface - Guide shoe and insert float valve with top plug.Production - Differential fill float shoe and differential fill float collar  
with top and bottom plugs. Marker joints or magnetic markers at 3000'± & 5000'±PUMPING RATES/SPECIAL INSTRUCTIONS: Circulate casing a minimum of 2 hours or  
until mud is not gas cut prior to cementing. Reciprocate casing during  
cementing and displacement, but stop reciprocation 10 bbls prior to end of  
displacement.LOGGING PROGRAM: DIL/GR from TD to base of surface casing.  
FDC-CNL/GR/caliper from TD to 2900'± (100' above "H" Marker)  
Continue caliper to base of surface casing.CORES: None are anticipated.SAMPLES: Collect 30' samples from below surface casing to 4200'±. Collect 10'  
samples from 4200'± to TD.FORMATION TESTS: None are anticipated.MUD LOGGING: (Includes services & depth): From 2900'± to TD.DETECTION & CONTROL EQUIPMENT: 10" 900 Series (3000 psig) BOP with blind and  
pipe rams. 10" 900 Series Annular Preventor. 10" rotating head. Test manifold  
and BOP's to 3000 psig, annular preventor to 1500 psig, surface casing to 1500  
psig after nipple up using certified pressure testing service company.

# DRILLING PROGRAM

WELL NAME: Natural Buttes Unit 300-02

COMPLETION PROGRAM: To be submitted at a later date.

OTHER SERVICES: None are anticipated.

## FORMATION TOPS & DEPTHS (tentative)

FORMATION NAME & TYPE	ESTIMATED DEPTH (EL)	DATUM	THICKNESS & REMARKS
-----------------------	----------------------	-------	---------------------

See attached Prognosis.

X-MAS TREE: 10" 3000# weld on casing head, 6" 3000# x 10" 3000# tubing  
spool, 2-1/16" 3000# master valves.

## MUD PROGRAM

DEPTH INTERVAL	MUD WEIGHT	VIS	CL	OIL	WATER LOSS (cc)	TYPE OF MUD
0' to 200'						Air
200' to 3500'						Air/Water
3500' to 6000'						Air/2% KCl Water
6000' to TD	8.6	40			8-12	Polyacrylamide anionic polymer w/LCM & viscous sweeps

NOTE #1: Severe lost circulation probable to 3000'±.

NOTE #2: Below 6000'± introduce the polymer system to prepare the hole for logs. Increase viscosity to 50+ cp 2-3 circulations prior to trip for logs.

NOTE #3: Maintain 400 bbls of 9.5 ppg brine water on location for well control.

WELL NAME: Natural Buttes Unit 100-01

DRILLING HAZARDS & SPECIAL INSTRUCTIONS: Lost circulation from surface to  
3000'. Possible water flows to 4400'. Underbalanced circulation system will  
require rotating head.

Potential gas kicks in Green River and Wasatch.

Potential shale swelling/sloughing problems.

## CASING &amp; TUBING PROGRAM

SIZE	INTERVAL		LENGTH	WEIGHT			THREAD	MINIMUM SAFETY FACTOR		
	FROM	TO		#/FT.	GRADE			COLLAPSE (psig)	BURST (psig)	TENSILE (psig)
9-5/8"	0'	200'	200'	32.3#	H-40		ST&C	1400	2270	254,000
4-1/2"	0'	6490'	6490'	10.5#	J-55		ST&C	4010	4790	146,000

## SURVEY SCHEDULE

DEPTH	DISTANCE BETWEEN SURVEYS	MAXIMUM DEVIATIONS FROM VERTICAL	MAXIMUM CHANGE DEGREES/100'
0' to 200'	200'	1 degree	1 degree
200' to TD	500' (or as needed)	6 degrees	1 degree

PREPARED BY: Jim R. Schaefer  
 Jim R. Schaefer, Sr. Production Engineer

APPROVED BY: Dennis J. Brabec  
 Dennis J. Brabec, Drilling Superintendent

APPROVED BY: Darrell E. Zierke  
 Darrell E. Zierke, District Manager

PGT

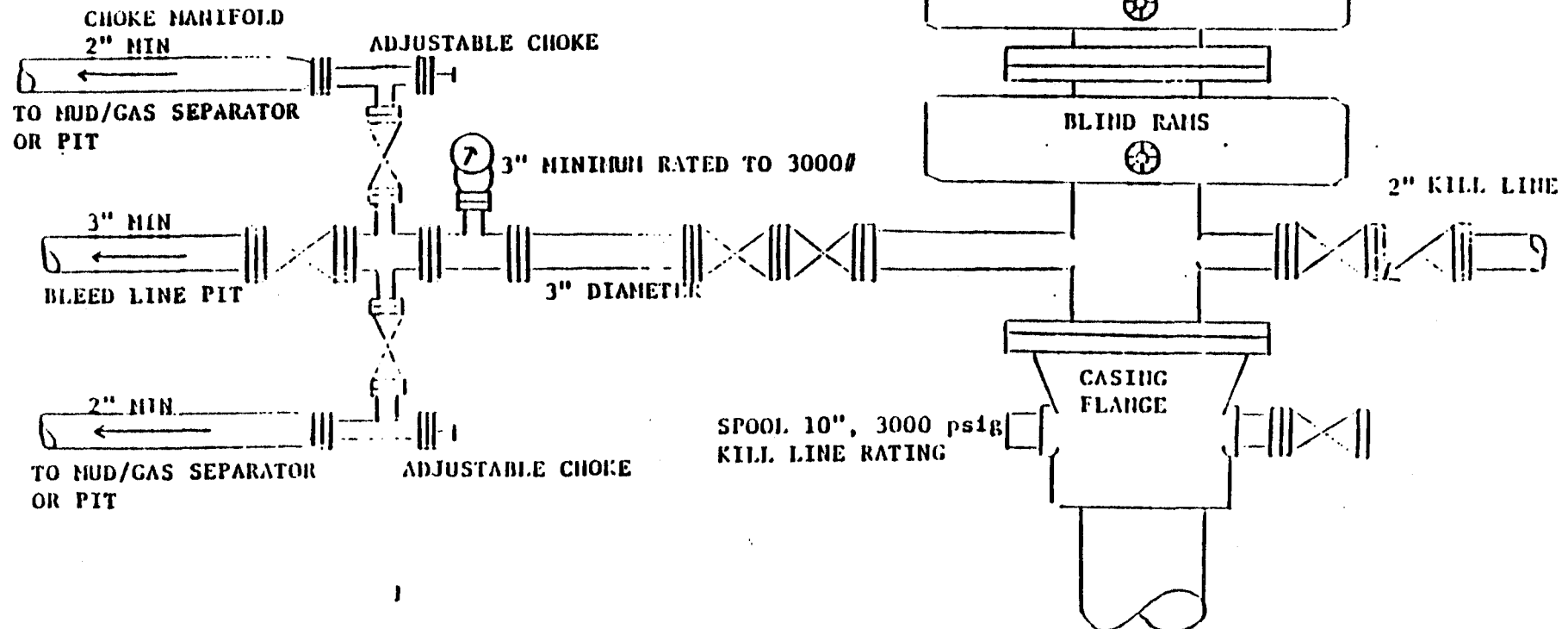
(NB-J-307.DFL)

# BOP DIAGRAM

ANNULAR PREVENTOR AND BOTH RAMS ARE 900 SERIES.  
CASING FLANGE IS 10" 900 SERIES.  
BOPE 9" 3000#

## TESTING PROCEDURE:

1. BOPE's will be tested with a professional tester to conform to Onshore Order #2 with retest every 14 days.
2. Blind & Pipe rams will be tested to rated working pressure, 3000 psig.
3. Annular preventor will be tested to 50% of working pressure, 1500 psig. Will test every 30 days.
4. Casing will be tested to 0.22 psi/ft or 1500 psig. Not to exceed 70% of burst strength, whichever is greater. In this case *1500* psig.
5. They will be tested every 14 days.
6. There are two hydraulic controls, one remote on the rig floor and the other at the accumulator.
7. All lines subject to well pressure will be pressure tested to the same pressure as blind & pipe rams.
8. Hydraulic accumulator system should be 80 gals.
9. All BOPE specifications and configurations will meet Onshore Order #2 requirements for 3000 psig BOPE specifications.



## SURFACE USE AND OPERATING PLAN

**WELL NAME: NATURAL BUTTES UNIT 307-6E**

**LOCATION: 1979' FSL & 2000' FEL NW/SE  
SEC. 6, T10S, R21E  
UINTAH CO., UTAH**

### **1. EXISTING ROADS**

- A. The proposed wellsite is located approximately 12 miles southeast of Ouray, Utah.
- B. Refer to the attached TOPO Map "A" showing directions to the wellsite.
- C. Access to the proposed wellsite will be over existing State and County roads and the proposed access road.
- D. Roads will be maintained and repaired as necessary.

### **2. ACCESS ROAD**

- A. See attached topographic Map "B".
- B. The proposed access road will be approximately 1580' in length, with a 30' right-of-way and 18 foot running surface maximum. Subgrade will be 16' (maximum grade 3%), with V ditches along either side where it is determined necessary in order to handle run-off from any normal meteorological conditions that are prevalent in this area.
- C. The access road will be dirt surface.
- D. All travel will be confined to existing access road rights-of way.
- E. Access road surface is owned by the BLM. See attached topographic Map "B" indicating access road ownership.
- F. Access roads and surface disturbing activities will conform to standards outlined in the BLM/Forest Service publication: Surface operating Standards for Oil and Gas Exploration and Development, (1989).
- G. The road shall be upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Construction shall include ditching, draining, graveling, crowning, and capping the roadbed as necessary to provide a well constructed safe road. Construction will not be allowed during muddy conditions. Traveling off the 30 foot right-of-way will not be allowed. Road drainage crossing shall be of the dry creek type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided.
- H. There will be no turn outs required.
- I. No culverts will be required.
- J. No cattleguards or fence cuts will be required.

**3. LOCATION OF EXISTING WELLS**

- A. See attached topographic Map "C" showing wells within a one mile radius of the proposed location.

**4. LOCATION OF EXISTING AND PROPOSED FACILITIES**

- A. Upon completion of the subject well for production, Enron will submit an application for approval of subsequent operations, describing proposed facilities, flowlines, and other pertinent information. Applicable right-of-way or special use permits will also be submitted subsequent to completion of the well.

**5. LOCATION AND TYPE OF WATER SUPPLY**

- A. Water will be hauled by Dalbo Inc.
- B. The water source will be A-1 Tank's water well located at Ouray, Utah. (Permit #43-8496).
- C. The BLM will be notified immediately if this source is changed subsequent to submittal of this APD.

**6. SOURCE OF CONSTRUCTION MATERIALS**

- A. All construction material for this location and access road will be of native borrow and soil accumulated during the construction of location.
- B. No additional materials are anticipated at this time.

**7. METHODS FOR HANDLING WASTE DISPOSAL**

- A. Cuttings, drilling and completion fluids will be disposed of and confined in the reserve pit. If the reserve pit is lined, the operator will provide the BLM a chemical analysis of the fluids in the pit no later than 90 days after well completion to determine the method for reclamation of the reserve pit. If the elemental concentrations shown by the analysis exceed the requirements prescribed by Part II, Standards of Quality for Waters of the State, Wastewater Disposal Regulations, State of Utah, Division of Health, the contents of the pit will be removed and disposed of at an authorized disposal site..
- B. A portable toilet will be provided for human waste during the drilling and completion of the well. Disposal will be at the Vernal sewage disposal plant.
- C. Burning will not be allowed. Trash and other waste material will be contained in a wire mesh cage and disposed of at an approved waste disposal facility.
- D. Produced waste water will be confined to a lined pit or storage tank for a period not to exceed 90 days after initial production. During the 90 days period, an application for approval of a permanent disposal method and location, together with the required water analysis, will be submitted for the AO's approval.
- E. The reserve pit will be constructed so as not to leak, break, or allow discharge. The reserve pit will not be lined unless it is



determined by the AO following construction that a clay, bentonite, or plastic lining is necessary to prevent seepage. If a plastic nylon reinforced liner is used it will be a minimum of 10 mil thickness with sufficient bedding to prevent puncture. The liner will overlap the pit walls and be anchored with dirt and/or rocks. No material will be disposed of in the pit that could puncture the liner. After the pit dries and is ready for reclamation, the liner will be torn and perforated prior to backfilling.

**8. ANCILLARY FACILITIES**

- A. No airstrips or camps are planned for this well.

**9. WELL SITE LAYOUT**

- A. See attached location layout plat and cross sections. A generalized rig orientation is included on the location layout plat.
- B. As shown on the location layout plat, the reserve pit will be located on the east side of the location. The flare pit will be located to the east of the reserve pit a minimum of 100' from the wellhead and 20' from the reserve pit fence. The flare pit will be downwind of the prevailing wind direction.
- C. The stockpiled topsoil will be stored on the west side of the location.
- D. Access to the well pad will be from the north.
- E. Diversion ditches will not be required.
- F. A soil compacted earthen berm will be placed on the east side of the location between the reserve pit & and reserve pit stockpile.
- G. The drainage will be diverted around the and west and east side of the well pad location.
- H. All pits will be fenced according to the following minimum standards:
1. 39 inch net wire shall be used with at least one strand of barbed wire on top of the net wire.
  2. The net wire shall be no more than 2 inches above the ground. The barbed wire strand shall be 3 inches above the net wire. Total height of the fence shall be at least 42 inches.
  3. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
  4. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16'.
  5. All wire shall be stretched by using a stretching device before it is attached to the corner posts.
- I. The reserve pit fencing will be on three sides when the rig moves off the location. Pits will be fenced and maintained until clean up.
- J. A silt catchment dam and basin will be constructed according to BLM specifications approximately 700' north of the location where the access road crosses a drainage. Specific location of the dam will be determined by the AO prior to commencement of construction activities.

**10. PLANS FOR RESTORATION OF SURFACE**

- A. Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production. Any hydrocarbons

on the pit shall be removed in accordance with CFR 3162.7-1. If necessary, overhead flagging will be installed if oil remains on the pit after drilling is completed.

- B. The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion. Before any dirt work takes place, the reserve pit will be completely dry and all solid waste material removed. Once reclamation activities have begun, they shall be completed within 30 days. The lessee further covenants and agrees that all of said clean up and reclamation activities will be done in a diligent and workmanlike manner and in strict conformity with State and Federal regulations.
- C. Those portions of reclaimed location not needed for production operations will be reseeded according to BLM specifications.
- D. At such time the well is plugged and abandoned, the operator will submit a surface reclamation plan to the BLM. Prescribed seed mixtures and reseeding requirements will be requested at that time. Current BLM recommendations for reclamation are as follows:  
"Compacted areas of the well pad should be plowed or ripped to a depth of 12" before reseeding. Seeding should be done with a disc-type drill to 10" apart. The seed should be planted between one-half inch deep and three quarters inch deep. A drag, packer or roller may be used to insure uniform coverage of the seed, and adequate compaction. Drilling of the seed should be done on the contour where possible. Where slopes are too steep for contour drilling a "cyclone" hand-seeder or similar broadcast seeder should be used, using twice the recommended seed per acre. Seed should then be covered to a depth described above by whatever means is practical".

#### **11. SURFACE OWNERSHIP**

- A. Access road and location surface is owned by the BLM.

#### **12. OTHER INFORMATION**

- A. All persons in the area who are associated with this project will be informed that they are subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator will immediately stop work that might further disturb such materials, and contact the AO.
- B. Vegetation consists of sagebrush and native range grass. Wildlife consists of deer, antelope, birds and small rodents.
- C. No water, occupied dwellings, archaeological, historical or cultural sites on this location and access road.
- D. Noxious weeds will be controlled along right-of-ways for roads, pipelines, well sites or other applicable facilities.
- E. Enron Oil & Gas Co. or their contractor shall contact the BLM (801) 789-1362 at least 48 hours prior to commencement of construction activities. The BLM office will be notified upon site completion prior to moving in the drilling rig.

- F. Drilling rigs and/or equipment used during drilling operations on this wellsite will not be stacked or stored on Federal Lands after the conclusion of drilling operations or at any other time without BLM authorization. If BLM authorization is obtained, it is understood that it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.
- G. All lease and/or unit operations will be conducted in such a manner to fully comply with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. Enron Oil & Gas Co. is fully responsible for the actions of its sub-contractors. A copy of these conditions will be furnished the field representative to insure compliance.
- H. A complete copy of the approved APD and right-of-way grants will be on location during construction of the location and drilling activities.
- I. No construction or drilling activities shall be conducted between May 15 and June 20 because of antelope kidding, unless waived in writing by AO

LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Enron Oil and Gas Company  
P.O. Box 1815  
Vernal, Utah 84078  
George McBride  
Telephone: (801) 789-0790

Enron Oil and Gas Company  
P.O. Box 250  
Big Piney, Wyoming  
Jim Schaefer  
Telephone: (307) 276-3331

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in the Plan are to the best of my knowledge, true and correct; and that the work associated with the operations proposed here in will be performed by ENRON OIL & GAS COMPANY and its contractors and sub-contractors in conformity with this Plan and the terms and conditions under which it is approved.

3/22/91  
DATE

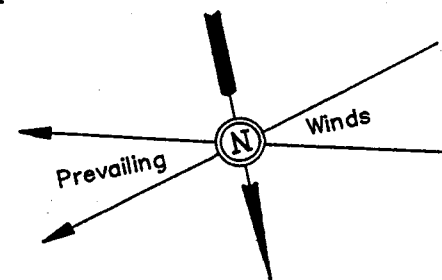
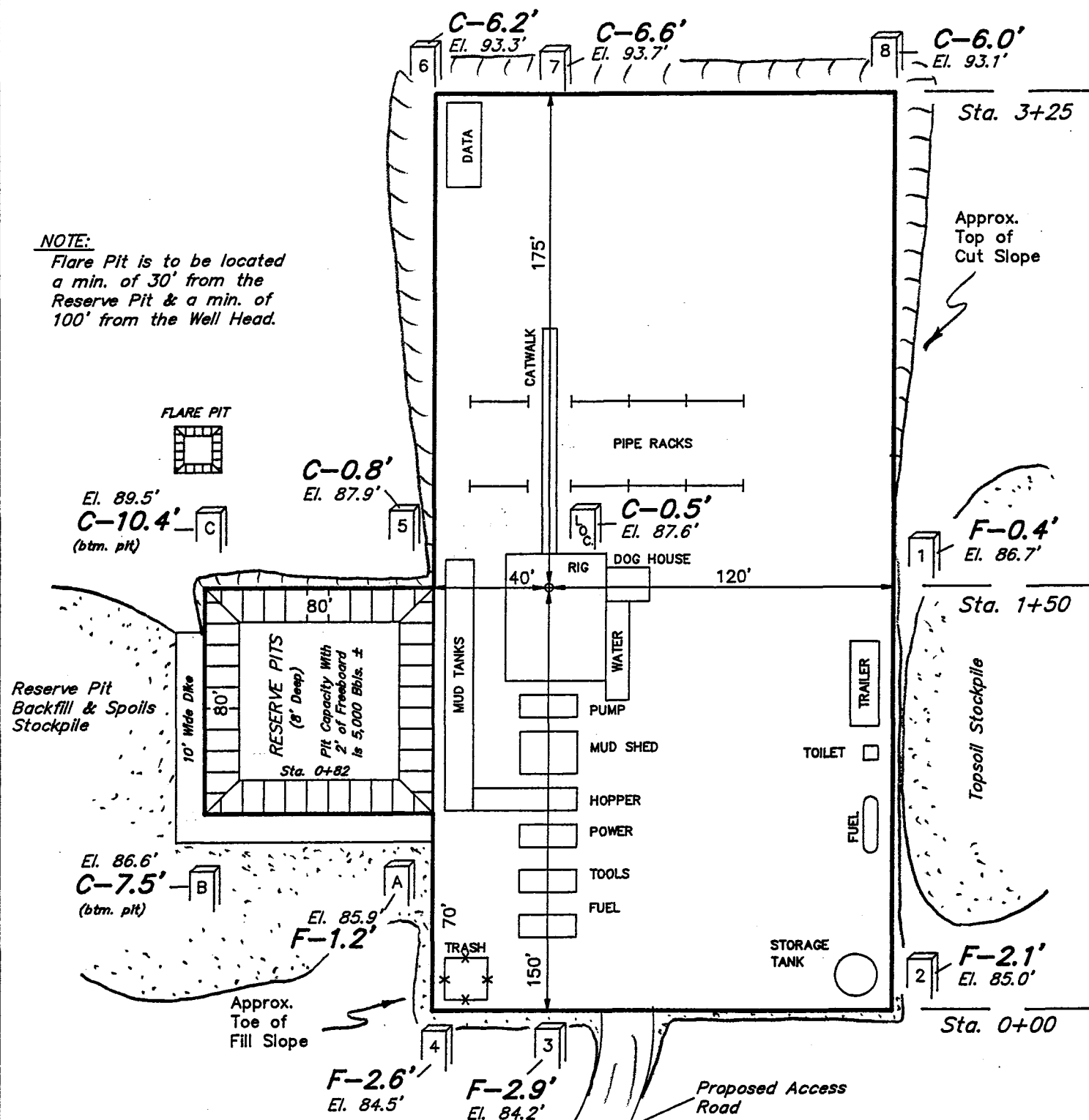
George R. McBride  
GEORGE R. MCBRIDE  
PRODUCTION FOREMAN

1w

NBU307SP

ENRON OIL & GAS CO.  
LOCATION LAYOUT FOR  
NBU #307-6E  
SECTION 6, T10S, R21E, S.L.B.&M.

NOTE:  
Flare Pit is to be located  
a min. of 30' from the  
Reserve Pit & a min. of  
100' from the Well Head.

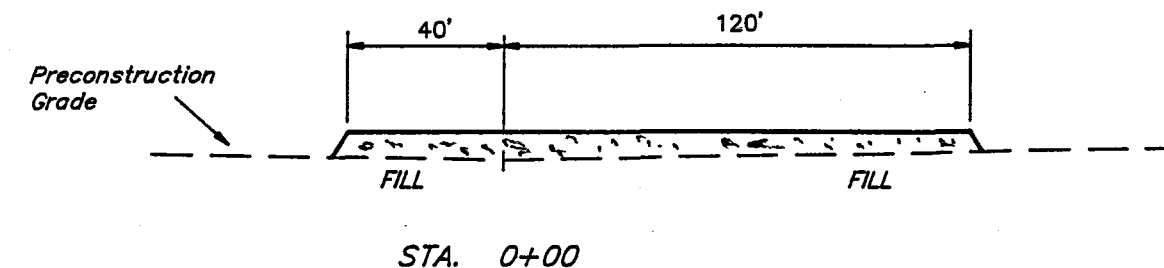
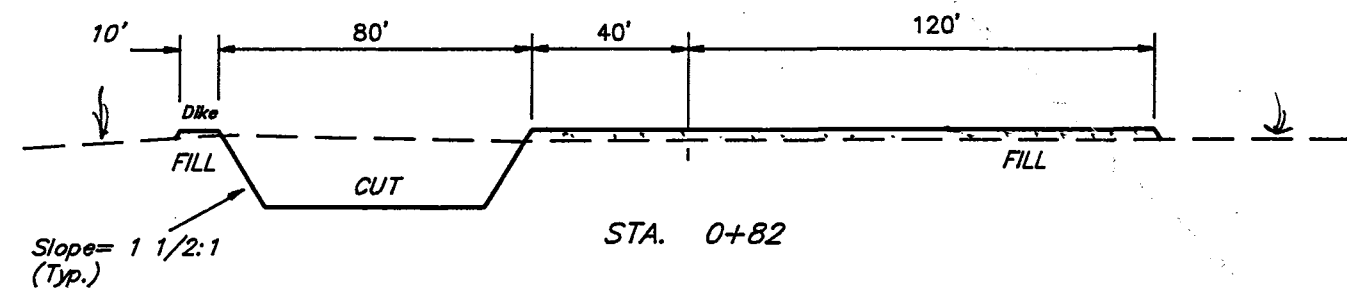
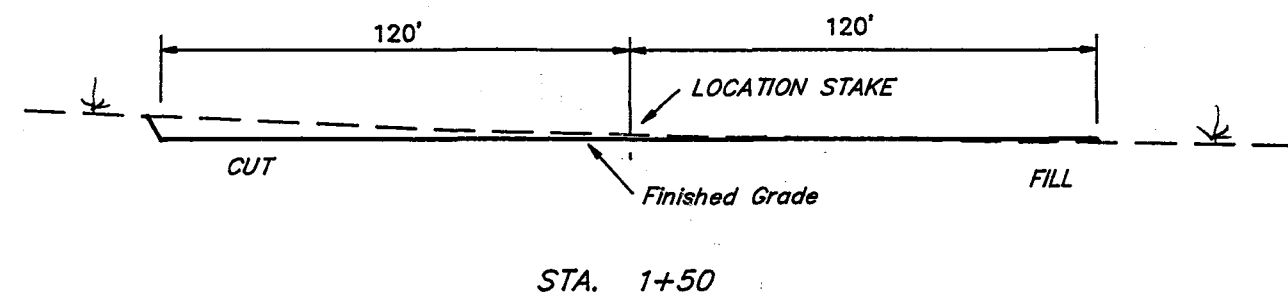
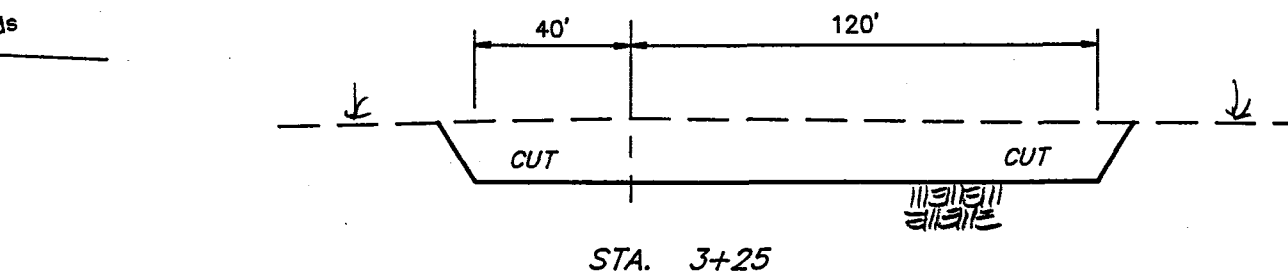


SCALE: 1" = 50'  
DATE: 2-22-91  
Drawn By: T.D.H.

1" = 20'

X-Section  
Scale

1" = 50'



TYP. CROSS SECTIONS

**Elev. Ungraded Ground at Location Stake = 4987.6'**

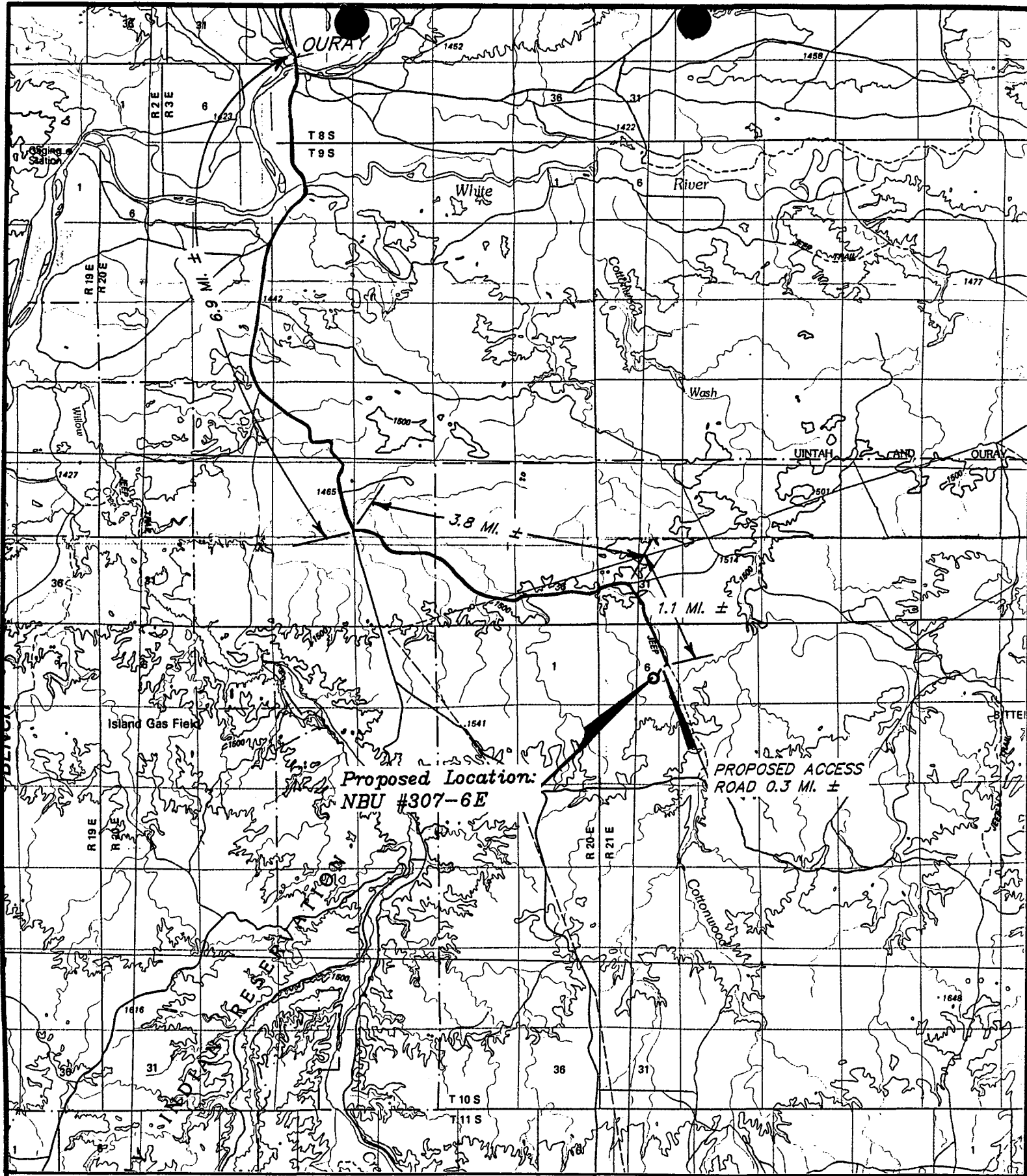
Elev. Graded Ground at Location Stake = 4987.1'

**UINTAH ENGINEERING & LAND SURVEYING**  
85 So. 200 East      Vernal, Utah

### APPROXIMATE YARDAGES

(6") Topsoil Stripping	=	1,080 Cu. Yds.
Remaining Location	=	4,840 Cu. Yds.
TOTAL CUT	=	5,920 CU.YDS.
FILL	=	1,740 CU.YDS.

EXCESS MATERIAL AFTER 5% COMPACTION	= 4,090 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 1,860 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 2,230 Cu. Yds.



TOPOGRAPHIC  
MAP "A"

DATE 2-25-91



ENRON OIL & GAS CO.

NBU #307-6E  
SECTION 6, T10S, R21E, S.L.B.&M.









OPERATOR Emron Oil Gas Co N 0401 DATE 4-8-91

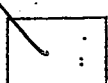
WELL NAME 307-WE

SEC NWSE 6 T 10S R 01E COUNTY Mintah

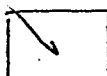
43-047-30014  
API NUMBER

Federal (1)  
TYPE OF LEASE

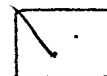
CHECK OFF:



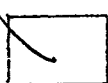
PLAT



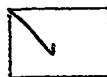
BOND



NEAREST  
WELL



LEASE



FIELD  
SLBM



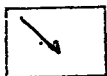
POTASH OR  
OIL SHALE

PROCESSING COMMENTS:

Included in 1991 PDD approved 10-20-90.  
Designated of Agent from Emron approved 4-23-91  
Water Permit 43-8496 Dallas One  
Oil shale area

APPROVAL LETTER:

SPACING:



R615-2-3

Natural Outlets  
UNIT



R615-3-2



N/A  
CAUSE NO. & DATE



R615-3-3

STIPULATIONS:

Oil shale



**ENRON**  
**Oil & Gas Company**

LAND DEPARTMENT

Division Landman  
Andrew C. Morris

Project Landman  
Toni L. Macko  
Rodney G. Mellott

1801 California Street  
Suite 3400  
Denver, Colorado 80202-2634  
(303) 293-2525

April 17, 1991

**RECEIVED**

APR 22 1991

DIVISION OF  
OIL GAS & MINING

Utah State Office  
Bureau of Land Management  
P.O. Box 45155  
Salt Lake City, Utah 84145-0155

Attention: Mr. Robert A. Henricks  
Chief, Branch of Fluid Minerals

RE: Designations of Agent  
NBU 302-9E  
Township 10 South, Range 21 East  
Section 9: NW/4SW/4  
NBU 307-6E  
Township 10 South, Range 21 East  
Section 6: NW/4SE/4  
Uintah County, Utah  
Natural Buttes Prospect  
1540-AA29, 0050621-000

Gentlemen:

Enclosed, for your approval, are three (3) copies of two (2) separate Designations of Agent pertaining to Enron Oil & Gas Company's proposed NBU 302-9E and NBU 307-6E wells. All copies have been originally executed on behalf of Coastal Oil & Gas Corporation.

If anything further is needed in connection with this matter, please contact the undersigned at the telephone number listed in the letterhead.

Yours very truly,

ENRON OIL & GAS COMPANY



Toni Lei Macko  
Project Landman

TLM/dac  
Enclosures  
8592T

cc: Vernal District, BLM (with copy of enclosures)  
Division of Oil, Gas & Mining, Attn: Ms. Tami Searing  
(with copy of enclosures)  
Jim Schaefer - Big Piney (with copy of enclosures)  
George R. McBride - Vernal (with copy of enclosures)  
Coastal Oil & Gas Corporation, Attn: Mr. Donald H. Spicer  
(with copy of enclosures)

*was approved 4-23-91 on district BLM*  
Part of the Enron Group of Energy Companies

DESIGNATION OF AGENT

Robert A. Henricks  
Chief, Branch of Fluid Minerals

The undersigned is, on the records of the Bureau of Land Management Unit Operator under the Natural Buttes Unit Agreement, Uintah County, Utah, No. 14-08-00018900 approved January 5, 1968, and hereby designates:

NAME: Enron Oil & Gas Company

ADDRESS: P.O. Box 1815  
Vernal, Utah 84078

as its agent, with full authority to act in its behalf in complying with the terms of the unit agreement and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Oil and Gas Operating Regulations with respect to drilling, testing, and completing unit well No. 307-6E, the NW/4SE/4 of Section 6, Township 10 South, Range 21 East, Uintah County, Utah.

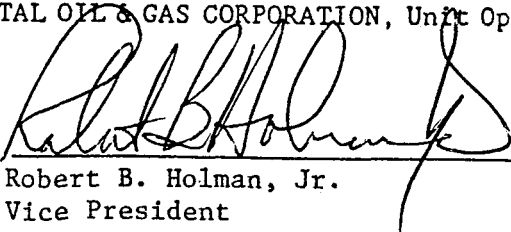
This designation of agent does not relieve the Unit Operator of responsibility for compliance with the terms of the unit agreement. It is also understood that this designation of agent does not constitute an assignment of any interest under the unit agreement or any lease committed thereto.

The designated agent will be responsible for compliance with the Oil and Gas Operating Regulations as they relate to the drilling, testing, and completing of unit well No. 307-6E. In accordance with 3104.2, bonding shall be provided by Enron Oil & Gas Company, Bond No. 74532.

This designation of agent is deemed to be temporary and in no manner a permanent arrangement.

This designation is given only to enable the agent herein designated to drill the above specified unit well. Unless sooner terminated, this designation shall terminate when there is filed in the appropriate district office of the Bureau of Land Management a completed file of all required Federal reports pertaining to subject well. At which time the Unit Operator shall assume all liability of the well and bonding shall be provided by the Unit Operator or as otherwise arranged by the unit agreement. It is also understood that this designation of agent is limited to field operations and does not cover administrative actions requiring specific authorization of the Unit Operator.

COASTAL OIL & GAS CORPORATION, Unit Operator

By:  *RB'*  
Robert B. Holman, Jr.  
Vice President

Date: April 15, 1991

DESIGNATION OF AGENT

Robert A. Henricks  
Chief, Branch of Fluid Minerals

The undersigned is, on the records of the Bureau of Land Management Unit Operator under the Natural Buttes Unit Agreement, Uintah County, Utah, No. 14-08-00018900 approved January 5, 1968, and hereby designates:

NAME: Enron Oil & Gas Company

ADDRESS: P.O. Box 1815  
Vernal, Utah 84078

as its agent, with full authority to act in its behalf in complying with the terms of the unit agreement and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Oil and Gas Operating Regulations with respect to drilling, testing, and completing unit well No. 302-9E, the NW/4SW/4 of Section 9, Township 10 South, Range 21 East, Uintah County, Utah.

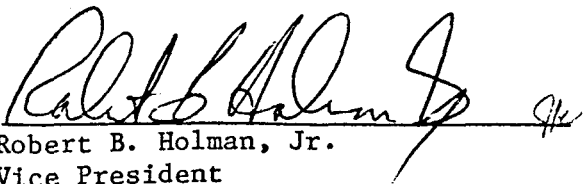
This designation of agent does not relieve the Unit Operator of responsibility for compliance with the terms of the unit agreement. It is also understood that this designation of agent does not constitute an assignment of any interest under the unit agreement or any lease committed thereto.

The designated agent will be responsible for compliance with the Oil and Gas Operating Regulations as they relate to the drilling, testing, and completing of unit well No. 302-9E. In accordance with 3104.2, bonding shall be provided by Enron Oil & Gas Company, Bond No. 74532.

This designation of agent is deemed to be temporary and in no manner a permanent arrangement.

This designation is given only to enable the agent herein designated to drill the above specified unit well. Unless sooner terminated, this designation shall terminate when there is filed in the appropriate district office of the Bureau of Land Management a completed file of all required Federal reports pertaining to subject well. At which time the Unit Operator shall assume all liability of the well and bonding shall be provided by the Unit Operator or as otherwise arranged by the unit agreement. It is also understood that this designation of agent is limited to field operations and does not cover administrative actions requiring specific authorization of the Unit Operator.

COASTAL OIL & GAS CORPORATION, Unit Operator

By:   
Robert B. Holman, Jr.  
Vice President

Date: April 15, 1991

**ENRON**  
**Oil & Gas Company**

LAND DEPARTMENT

Division Landman  
Andrew C. Morris

Project Landman  
Toni L. Macko  
Rodney G. Mellott

1801 California Street  
Suite 3400  
Denver, Colorado 80202-2634  
(303) 293-2525

April 17, 1991

Utah State Office  
Bureau of Land Management  
P.O. Box 45155  
Salt Lake City, Utah 84145-0155

Attention: Mr. Robert A. Henricks  
Chief, Branch of Fluid Minerals

**RECEIVED**

APR 22 1991

DIVISION OF  
OIL GAS & MINING

RE: Designations of Agent  
NBU 302-9E  
Township 10 South, Range 21 East  
Section 9: NW/4SW/4  
NBU 307-6E  
Township 10 South, Range 21 East  
Section 6: NW/4SE/4 - 4304732014  
Uintah County, Utah  
Natural Buttes Prospect  
1540-AA29, 0050621-000

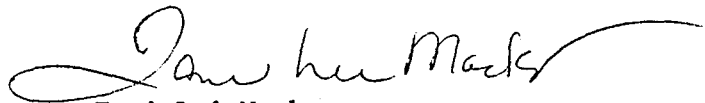
Gentlemen:

Enclosed, for your approval, are three (3) copies of two (2) separate Designations of Agent pertaining to Enron Oil & Gas Company's proposed NBU 302-9E and NBU 307-6E wells. All copies have been originally executed on behalf of Coastal Oil & Gas Corporation.

If anything further is needed in connection with this matter, please contact the undersigned at the telephone number listed in the letterhead.

Yours very truly,

ENRON OIL & GAS COMPANY



Toni Lei Macko  
Project Landman

TLM/dac  
Enclosures  
8592T

cc: Vernal District, BLM (with copy of enclosures)  
Division of Oil, Gas & Mining, Attn: Ms. Tami Searing  
(with copy of enclosures)  
Jim Schaefer - Big Piney (with copy of enclosures)  
George R. McBride - Vernal (with copy of enclosures)  
Coastal Oil & Gas Corporation, Attn: Mr. Donald H. Spicer  
(with copy of enclosures)

DESIGNATION OF AGENT

Robert A. Henricks  
Chief, Branch of Fluid Minerals

The undersigned is, on the records of the Bureau of Land Management Unit Operator under the Natural Buttes Unit Agreement, Uintah County, Utah, No. 14-08-00018900 approved January 5, 1968, and hereby designates:

NAME: Enron Oil & Gas Company

ADDRESS: P.O. Box 1815  
Vernal, Utah 84078

as its agent, with full authority to act in its behalf in complying with the terms of the unit agreement and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Oil and Gas Operating Regulations with respect to drilling, testing, and completing unit well No. 307-6E, the NW/4SE/4 of Section 6, Township 10 South, Range 21 East, Uintah County, Utah.

This designation of agent does not relieve the Unit Operator of responsibility for compliance with the terms of the unit agreement. It is also understood that this designation of agent does not constitute an assignment of any interest under the unit agreement or any lease committed thereto.

The designated agent will be responsible for compliance with the Oil and Gas Operating Regulations as they relate to the drilling, testing, and completing of unit well No. 307-6E. In accordance with 3104.2, bonding shall be provided by Enron Oil & Gas Company, Bond No. 74532.

This designation of agent is deemed to be temporary and in no manner a permanent arrangement.

This designation is given only to enable the agent herein designated to drill the above specified unit well. Unless sooner terminated, this designation shall terminate when there is filed in the appropriate district office of the Bureau of Land Management a completed file of all required Federal reports pertaining to subject well. At which time the Unit Operator shall assume all liability of the well and bonding shall be provided by the Unit Operator or as otherwise arranged by the unit agreement. It is also understood that this designation of agent is limited to field operations and does not cover administrative actions requiring specific authorization of the Unit Operator.

COASTAL OIL & GAS CORPORATION, Unit Operator

By: 

Robert B. Holman, Jr.  
Vice President

Date: April 15, 1991



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter

Governor

Dee C. Hansen

Executive Director

Dianne R. Nielson, Ph.D.

Division Director

355 West North Temple

3 Triad Center, Suite 350

Salt Lake City, Utah 84180-1203

801-538-5340

April 26, 1991

Enron Oil & Gas Company  
P. O. Box 1815  
Vernal, Utah 84078

Gentlemen:

Re: 307-6E Well, 1979 feet from the South line, 2000 feet from the East line, NW SE, Section 6, Township 10 South, Range 21 East, Uintah County, Utah

Approval to drill the referenced well is hereby granted in accordance with Utah Code Ann. Section 40-6-18, et seq. (1953, as amended), and Utah Admin. R.615-2-3, subject to the following stipulations:

1. Special attention is directed to compliance with Utah Admin. R.615-3-34, which prescribes drilling procedures for designated oil shale areas.

In addition, the following actions are necessary to fully comply with this approval:

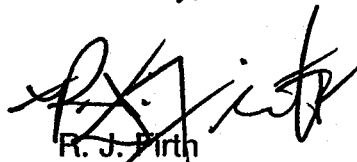
1. Spudding notification within 24 hours after drilling operations commence.
2. Submittal of Entity Action Form 6, within five working days following spudding and whenever a change in operations or interests necessitates an entity status change.
3. Submittal of the Report of Water Encountered During Drilling, Form 7.
4. Prompt notification in the event it is necessary to plug and abandon the well. Notify R. J. Firth, Associate Director, (Office) (801) 538-5340, (Home) 571-6068, or J. L. Thompson, Lead Inspector, (Home) 298-9318.
5. Compliance with the requirements of Utah Admin. R.615-3-20, Gas Flaring or Venting.

Page 2  
Enron Oil & Gas Company  
307-6E  
April 26, 1991

6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of Drinking Water/Sanitation, telephone (801) 538-6159.
7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-047-32014.

Sincerely,



R. J. Pirth  
Associate Director, Oil & Gas

tas  
Enclosures  
cc: Bureau of Land Management  
J. L. Thompson  
we14/1-4

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☐

GAS  
WELL ☒

OTHER

SINGLE  
ZONE ☐

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

ENRON OIL & GAS COMPANY

3. ADDRESS OF OPERATOR

P.O. BOX 1815, VERNAL, UTAH 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

1979' FSL & 2000' FEL NW/SE  
At proposed prod. zone

DIVISION OF  
OIL GAS & MINING

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

APPROXIMATELY 12 MILES SOUTHEAST OF OURAY, UTAH

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT. 1979'  
(Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE

2163.60+

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

80

18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT. 1809'

19. PROPOSED DEPTH

6490'

20. ROTARY OR CABLE TOOLS

ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4988'

22. APPROX. DATE WORK WILL START\*

JUNE 15, 1991

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8"	32.3#	200'	150 sx Class "G" + 2% CaCl <sub>2</sub>
7 7/8"	4 1/2"	10.5#	6490'	50/50 Pozmix +2% gel +10% salt to 400'+ above all zones of interest (+ 10% excess). 65/35 Pozmix +6% gel +3% salt to 200 above oil shales and/or fresh water shows (+5% excess).

SEE ATTACHMENTS FOR:

8 Point Plan

Drilling Program

bOP Schematic

Surface Use and Operating Plan

Location Plat

Location Layout

Topographic Maps "A", "B", and "C"

Enron Oil and Gas Co. will be the  
designated operator of the subject  
well under Nation Wide Bone #74563

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

*Luisa L. Warr*

TITLE

Sr. Admin. Clerk

DATE

March 22, 1991

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

*[Signature]*

TITLE

ASSISTANT DISTRICT  
MANAGER MINERALS

DATE

4/24/91

CONDITIONS OF APPROVAL, IF ANY

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED  
TO OPERATOR'S COPY

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



Revised November 1990

Date NOS Received: March 6, 1991

RECEIVED

APR 30 1991

DIVISION OF  
OIL GAS & MINING

CONDITIONS OF APPROVAL  
FOR APPLICATION FOR PERMIT TO DRILL

Company/Operator: Enron Oil & Gas Corp.

Well Name & Number: 307-6E

Lease Number: U-01791

Location: NWSE Sec. 6 T. 10S R. 21E

Surface Ownership: BLM

NOTIFICATION REQUIREMENTS

- Location Construction - at least forty-eight (48) hours prior to construction of location and access roads.
- Location Completion - prior to moving on the drilling rig.
- Spud Notice - at least twenty-four (24) hours prior to spudding the well
- Casing String and Cementing - at least twenty-four (24) hours prior to running casing and cementing all casing strings.
- BOP and Related Equipment Tests - at least twenty-four (24) hours prior to initiating pressure tests.
- First Production Notice - within five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

A. DRILLING PROGRAM

1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands to Tim Ingwell of this office. Copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., and individual components shall be operable as designed.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

The Vernal District Office shall be notified, at least twenty-four (24) hours prior to initiating pressure tests, in order to have a BLM representative on location during pressure testing.

3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

As a minimum, the other resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the Mahogany oil shale, identified at +1940 ft.

Vernal District Office shall be notified at least twenty-four (24) hours prior to the running and cementing of all casing strings, in order to have a BLM representative on location while running and cementing all casing strings.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the Authorized Officer. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the Authorized Officer (AO).

A cement bond log (CBL) shall be utilized to determine the top of cement (TOC) for the production casing.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The Vernal District Office shall be notified during regular work hours (7:45 a.m. - 4:30 p.m., Monday through Friday, except holidays), at least twenty-four (24) hours PRIOR to spudding the well.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells, as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated, or the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of thirty (30) days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the AO. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram, as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4, shall be submitted to the appropriate District Office within thirty (30) days of installation or first

production, whichever occurs first. All site security regulations, as specified in Onshore Oil and Gas Order No. 3, shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his/her representative or the appropriate Surface Managing Agency.

#### 7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling onlease or off-lease will have prior written approval from the AO.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried or anchored down from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approvals are necessary, please contact one of the following individuals:

Gerald E. Kenczka	(801) 781-1190
Petroleum Engineer	

Ed Forsman	(801) 789-7077
Petroleum Engineer	

BLM FAX Machine	(801) 789-3634
-----------------	----------------

## EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous:

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

Oil and gas service company wastes such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids.

Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt wastes.

Refinery wastes

Liquid and solid wastes generated by crude oil and tank bottom reclaimers

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation, and miscellaneous solids

B. THIRTEEN POINT SURFACE USE PROGRAM:

1. Location of Existing and/or Proposed Facilities

If storage facilities/tank batteries are constructed on this lease, the facility/battery or the well pad shall be surrounded by a containment dike of sufficient capacity to contain, at a minimum, the entire content of the largest tank within the facility/battery, unless more stringent protective requirements are deemed necessary by the authorized officer.

All permanent (onsite for six months or longer) structures constructed or installed (including pumping units) will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within 6 months of installation. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

The required paint color is Carlsbad Canyon.

If at any time the facilities located on public land and authorized by the terms of the lease are no longer included in the lease (due to a contraction in the unit or other lease or unit boundary change), BLM will process a change in authorization to the appropriate statute. The authorization will be subject to appropriate rental or other financial obligation as determined by the authorized officer.

2. Other Additional Information

The operator is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the authorized officer (AO). Within five working days the AO will inform the operator as to:

whether the materials appear eligible for the National Register of Historic Places;

the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and

a time frame for the AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.



If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that required mitigation has been completed, the operator will then be allowed to resume construction.

No construction or drilling activities will be allowed when soils are wet or muddy, to protect the erosive soils in the area.

WATER PERMIT OK

DIVISION OF OIL, GAS AND MINING

API NO. 43-047-32014

SPODDING INFORMATION

NAME OF COMPANY: ENRON OIL & GAS COMPANY

WELL NAME: NBU 307-6E

SECTION NWSE 6 TOWNSHIP 10S RANGE 21E COUNTY UINTAH

DRILLING CONTRACTOR OLSEN

RIG # 2

SPODDED: DATE 5-9-91

TIME 10:15 a.m.

HOW DRY

DRILLING WILL COMMENCE 5-30-91 ?

REPORTED BY TOM HUFFORD

TELEPHONE # 828-7433

DATE 5-14-91 SIGNED TAS TAKEN BY: JLT

**ENRON**

**OIL & GAS COMPANY**

P.O. BOX 1815, VERNAL, UTAH 84078 (801)789-0790

**RECEIVED**

**MAY 14 1991**

**DIVISION OF  
OIL GAS & MINING**

May 13, 1991

Bureau of Land Management  
Vernal District  
170 South 500 East  
Vernal, Utah 84078

RE: NOTICE OF SPUD  
Natural Buttes 307-6E  
Sec. 6, T10S, R21E  
Uintah County, Utah  
Lease No. U-01791

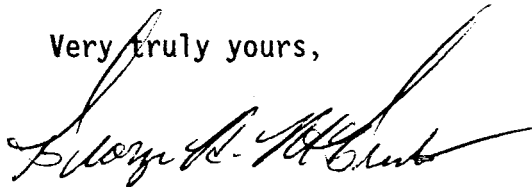
Attn: Ed Forsman :

Dear Ed:

Attached please find a Subsequent Report of Spudding Sundry Notice on the referenced well.

If you require further information, please contact me at the Vernal Office.

Very truly yours,



George R. McBride  
Production Foreman

cc State Division of Oil Gas & Mining  
Big Piney Office  
File

GRM/1w  
SPUDLTR

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE

(Other instruction on  
reverse side)

Form approved.

Budget Bureau No. 1004-0135

Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.

Use "APPLICATION FOR PERMIT-" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR  
**ENRON OIL & GAS COMPANY**

3. ADDRESS OF OPERATOR  
**P.O. BOX 1815, VERNAL, UTAH 84078**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface  
**1979' FSL & 2000' FEL NW/SE**

14. PERMIT NO.  
**43-047-32014**

15. ELEVATIONS (show whether DF, RY, GR, etc.)  
**4988' GR**

5. LEASE DESIGNATION AND SERIAL NO.  
**U-01791**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
**NATURAL BUTTES**

8. FARM OR LEASE NAME  
**NATURAL BUTTES**

9. WELL NO.  
**307-6E**

10. FIELD AND POOL OR WILDCAT  
**NATURAL BUTTES**

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA  
**SEC. 6, T10S, R21E**

12. COUNTY OR PARISH  
**UINTAH**

13. STATE  
**UTAH**

Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF  
FRACTURE TREAT  
SHOOT OR ACIDIZE  
REPAIR WELL  
(Other)

☐  
☐  
☐  
☐

PULL OR ALTER CASING  
MULTIPLE COMPLETE  
ABANDON\*  
CHANGE PLANS

☐  
☐  
☐  
☐

WATER SHUT-OFF  
FRACTURE TREATMENT  
SHOOTING OR ACIDIZING  
(OTHER)

SUBSEQUENT REPORT OF:

REPAIRING WELL  
ALTERING CASING  
ABANDONMENT\*

**NOTICE OF SPUDDING**

☐  
☐  
☐  
☒

(NOTE: Report results of multiple completion on Well  
Completion of Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

**Enron Oil & Gas Company states that the subject well was spudded on 5/8/91.  
12 1/4' hole was drilled to 220'. 9 5/8" casing was set at 232.33' and cemented  
to surface with 125 sx Class "G" cement.  
Oral notice was called in to Dave Brown with the BLM and Carol Kubly with the  
UOGCC on 5/8/91.**

RECEIVED

MAY 14 1991

DIVISION OF  
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED **Linda L. Wall**

TITLE **SR. Admin. Clerk**

DATE

**5/13/91**

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

OPERATOR ENRON OIL & GAS COMPANY  
ADDRESS P.O. Box 1815  
Vernal, Utah 84078

OPERATOR ACCT. NO. N0401

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	11229	43-047-32014	NATURAL BUTTES 307-6E	NWSE	6	10S	21E	UINTAH	5/8/91	5/8/91

WELL 1 COMMENTS: Federal-Lease Prop. Zone-WSTC  
Field-Natural Buttes (Entity added 5-16-91)  
Unit-Natural Buttes

	99999	11230	43-047-32010	NATURAL BUTTES 302-9E	NESW	9	10S	21E	UINTAH	5/10/91	5/10/91
--	-------	-------	--------------	-----------------------	------	---	-----	-----	--------	---------	---------

WELL 2 COMMENTS: Federal-Lease Proposed Zone-WSTC  
Field-Natural Buttes (Entity added 5-16-91)  
Unit-Natural Buttes

--	--	--	--	--	--	--	--	--	--	--	--

WELL 3 COMMENTS:

--	--	--	--	--	--	--	--	--	--	--	--

WELL 4 COMMENTS:

--	--	--	--	--	--	--	--	--	--	--	--

WELL 5 COMMENTS:

--	--	--	--	--	--	--	--	--	--	--	--

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

RECEIVED

MAY 15 1991

DIVISION OF  
OIL GAS & MINING

Signature Linda L. Wall

Sr. Admin. Clerk 5/13/91  
Title Date

Phone No. (801) 789-0790

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING  
DRILLING INSPECTION FORM

COMPANY: ENRON OIL AND GAS                      REPRESENTATIVE: TOM HUFFORD  
WELL NAME: NBU 307-6E                      API #: 43-047-32014  
QTR QTR: SWNE                      SECTION: 06                      TWP: 10 SOUTH      RANGE: 21 EAST  
CONTRACTOR: OLSEN DRILLING                      RIG #: #2 - MIKE SWETT  
  
INSPECTOR: CAROL KUBLY                      TIME: 1515 HRS      DATE: 07.02.91  
OPERATIONS: DRILLING                      DEPTH: 4056'  
SPUD DATE: DRY: 05.09.91      RIG: 06.29.91      T.D DATE:                      DEPTH:

```
=====
Y      WELL SIGN      Y      BOPE      Y      SANITATION
N      FLOW LINE      Y      BLOOIE LINE      N      H2S POTENTIAL
Y      ENVIRONMENTAL POLLUTION CONTROL      N      FIRE HAZARDS
Y      RESERVE PIT      Y      FLARE PIT
Y      FENCED      Y      LINES RUN
N      LINED      PLASTIC
                        RUBBER
                        BENTONITE

Y      BOP RAM TEST RECORDED IN IADC BOOK?
Y      BOP TRAINING RECORDED IN IADC BOOK?
N/A    COMPLIANCE WITH PRESITE STIPULATIONS (IF NO, EXPLAIN BELOW).
```

FEDERAL LEASE

-----

=====

LEGEND: (Y) - YES : (N) - NO : (N/A) - NOT APPLICABLE

=====

REMARKS: RESERVE PIT 3/4 FULL DRILLING FLUID. BOP TESTED 6.29.91.  
LATEST DEVIATION SURVEY 1 3/4 DEGREE AT 3559'.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING  
DRILLING INSPECTION FORM

COMPANY: ENRON OIL AND GAS                      REPRESENTATIVE: TOM HUFFORD  
WELL NAME: NBU 307-6E                      API #: 43-047-32014  
QTR QTR: SWNE                      SECTION: 06                      TWP: 10 SOUTH      RANGE: 21 EAST  
CONTRACTOR: OLSEN DRILLING                      RIG #: #2 - MIKE SWETT  
  
INSPECTOR: CAROL KUBLY                      TIME: 1630 HRS      DATE: 07.09.91  
OPERATIONS: CMT LONG STRING W/ DOWELL      DEPTH: 6495'  
SPUD DATE: DRY: 05.09.91      RIG: 06.29.91      T.D DATE: 07.08.91      DEPTH: 6495'

```
=====
Y      WELL SIGN      Y      BOPE      Y      SANITATION
N      FLOW LINE      Y      BLOOIE LINE      N      H2S POTENTIAL
Y      ENVIRONMENTAL POLLUTION CONTROL      N      FIRE HAZARDS
Y      RESERVE PIT      Y      FLARE PIT
Y      FENCED      Y      LINES RUN
N      LINED      PLASTIC
                        RUBBER
                        BENTONITE

Y      BOP RAM TEST RECORDED IN IADC BOOK?
Y      BOP TRAINING RECORDED IN IADC BOOK?
N/A    COMPLIANCE WITH PRESITE STIPULATIONS (IF NO, EXPLAIN BELOW).
```

FEDERAL LEASE

```
-----
=====
LEGEND: (Y) - YES : (N) - NO : (N/A) - NOT APPLICABLE
=====
```

REMARKS: RESERVE PIT 2/3 FULL DRILLING FLUID. LOGS RAN GOOD.  
LATEST DEVIATION SURVEY 1 1/2 DEGREE AT 6454'.

# ENRON

## OIL & GAS COMPANY

P.O. BOX 1815, VERNAL, UTAH 84078 (801)789-0790

July 9, 1991

Bureau of Land Management  
Vernal District  
170 South 500 East  
Vernal, Utah 84078

RE: WATER ENCOUNTERED-DRILLING  
Natural Buttes 307-6E  
Sec. 6, T10S, R21E  
Uintah County, Utah  
Lease No. U-01791

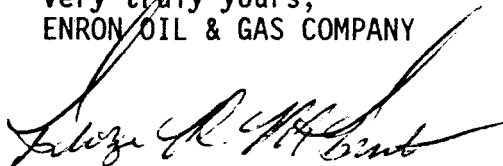
Attn: Ed Forsman

Dear Mr. Forsman:

Attached is a Sundry Notice on subject well with water encountered during drilling information.

If you require further information, please contact this office.

Very truly yours,  
ENRON OIL & GAS COMPANY



George R. McBride  
Sr. Production Foreman

cc: Division of Oil Gas & Mining  
Doug Weaver/Toni Miller  
Big Piney Office  
File

/lw  
Sundry

**RECEIVED**

JUL 10 1991

DIVISION OF  
OIL GAS & MINING



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE

(Other instruction on reverse side)

Form approved.

Budget Bureau No. 1004-0135

Expires August 31, 1985

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.

Use "APPLICATION FOR PERMIT-" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.

U-01791

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

1. OIL ☐ GAS ☐  
WELL ☐ WELL ☒ OTHER ☐

7. UNIT AGREEMENT NAME

NATURAL BUTTES UNIT

2. NAME OF OPERATOR

ENRON OIL &amp; GAS COMPANY

8. FARM OR LEASE NAME

NATURAL BUTTES

3. ADDRESS OF OPERATOR

P.O. BOX 1815, VERNAL, UTAH 84078

9. WELL NO.

307-6E

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)

At surface

1979' FSL &amp; 2000' FEL NW/SE

10. FIELD AND POOL OR WILDCAT

NBU/WASATCH

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

SEC. 6, T10S, R21E

14. PERMIT NO.

43-047-32014

15. ELEVATIONS (show whether DF, RY, GR, etc.)

4988'

12. COUNTY OR PARISH

UINTAH

13. STATE

UTAH

16. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON\* ☐CHANGE PLANS ☐WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(OTHER) ☐

## SUBSEQUENT REPORT OF:

REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT\* ☐WTR ENCOUNTERED ☒

(NOTE: Report results of multiple completion on Well

Completion of Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Enron Oil & Gas Company states water flow was encountered at 2,832 during drilling. Water samples were caught.

RECEIVED

JUL 10 1991

DIVISION OF  
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

(This space for Federal or State office use)

TITLE Sr. Admin. Clerk

DATE

7/9/91

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

# ENRON

## OIL & GAS COMPANY

P.O. BOX 1815, VERNAL, UTAH 84078 (801)789-0790

July 11, 1991

Bureau of Land Management  
Vernal District  
170 South 500 East  
Vernal, Utah 84078

RE: CASING SUNDRY NOTICE  
NATURAL BUTTES UNIT 307-6E  
Sec. 6, T10S, R21E  
Uintah County, Utah  
Lease No. U-01791

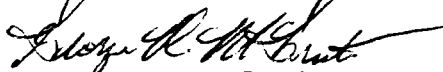
Attn: Ed Forsman

Dear Mr. Forsman:

Attached is a casing information Sundry Notice on subject well.

If you require further information, please contact this office.

Very truly yours,  
ENRON OIL & GAS COMPANY



George R. McBride  
Sr. Production Foreman

cc: Division of Oil Gas & Mining  
Doug Weaver/Toni Miller  
Big Piney Office  
File

/lw  
Sundry

RECEIVED

JUL 12 1991

DIVISION OF  
OIL GAS & MINING

(November 1983)

(Formerly 9-331)

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

SUBMIT IN TRIPLICATE

(Other instruction on reverse side)

Form approved.

Budget Bureau No. 1004-0135

Expires August 31, 1985

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.

Use "APPLICATION FOR PERMIT-" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.

**U-01791**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

1. OIL ☐ GAS ☐  
WELL ☐ WELL ☒ OTHER

7. UNIT AGREEMENT NAME

**NATURAL BUTTES UNIT**

2. NAME OF OPERATOR

**ENRON OIL & GAS COMPANY**

8. FARM OR LEASE NAME

**NATURAL BUTTES**

3. ADDRESS OF OPERATOR

**P. O. BOX 1815, VERNAL, UTAH 84078**

9. WELL NO.

**307-6E**4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)

At surface

**1079' FWL & 2000' FEL NW/SE****9**

10. FIELD AND POOL OR WILDCAT

**NBU/WASATCH**11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA**SEC. 6 T10S, R21E**

14. PERMIT NO.

**43-047-32014**

15. ELEVATIONS (show whether DF, RY, GR, etc.)

**4988'**

12. COUNTY OR PARISH

**UINTAH**

13. STATE

**UTAH**

16. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐

(Other)

PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON\* ☐CHANGE PLANS ☐WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(OTHER) ☐(NOTE: Report results of multiple completion on Well  
Completion of Recompletion Report and Log form.)

## SUBSEQUENT REPORT OF:

REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT\* ☐**CASING** ☒

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

**Enron Oil & Gas Company states casing was landed @ 6306' KB, which was 185' above TD.****Float collar was insalled 2 joints above float shoe.****RECEIVED****JUL 12 1991**

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: \_\_\_\_\_  
BY: \_\_\_\_\_

18. I hereby certify that the foregoing is true and correct

SIGNED

(This space for Federal or State office use)

APPROVED BY

TITLE

TITLE

DATE **7-11-91**

DATE

CONDITIONS OF APPROVAL, IF ANY:

**\*See Instructions on Reverse Side**

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**ENRON**  
**OIL & GAS COMPANY**

P.O. BOX 1815, VERNAL, UTAH 84078 (801)789-0790

August 30, 1991

Bureau of Land Management  
Vernal District  
170 South 500 East  
Vernal, Utah 84078

RE: SUNDRY NOTICE - INITIAL PRODUCTION  
NATURAL BUTTES UNIT 307-6E  
NWSW Sec. 6, T10S, R21E S.L.B.&M  
Uintah County, Utah  
LEASE NO. U-01791

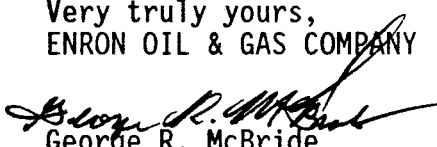
Attn: Ed Forsman

Dear Mr. Forsman:

Attached please find a Sundry Notice on subject well with initial production information.

If you require further information concerning this matter, please contact this office.

Very truly yours,  
ENRON OIL & GAS COMPANY

  
George R. McBride  
Sr. Production Foreman

cc: Division of Oil Gas & Mining  
Big Piney Office  
Doug Weaver/Toni Miller  
Suzanne Saldivar - Houston  
File

/lwSundry

**RECEIVED**

SEP 03 1991

DIVISION OF  
OIL GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*  
(Other instruction on reverse side)

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT-" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.  
**U-01791**  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

1. OIL GAS  
WELL ☐ WELL ☒ OTHER

7. UNIT AGREEMENT NAME  
**NATURAL BUTTES UNIT**

2. NAME OF OPERATOR  
**ENRON OIL & GAS COMPANY**

8. FARM OR LEASE NAME  
**NATURAL BUTTES**

3. ADDRESS OF OPERATOR  
**P.O. BOX 1815, VERNAL, UTAH 84078**

9. WELL NO.  
**307-6E**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface  
**1979' FSL & 2000' FEL NW/SE**

10. FIELD AND POOL OR WILDCAT  
**NBU/WASATCH**  
11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA  
**SEC. 6, T20S, R21E**

14. PERMIT NO.  
**43-047-32014**

15. ELEVATIONS (show whether DF, RY, GR, etc.)  
**4988'**

12. COUNTY OR PARISH  
**UINTAH**  
13. STATE  
**UTAH**

16. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐ PULL OR ALTER CASING ☐  
FRACTURE TREAT ☐ MULTIPLE COMPLETE ☐  
SHOOT OR ACIDIZE ☐ ABANDON\* ☐  
REPAIR WELL ☐ CHANGE PLANS ☐  
(Other) ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐ REPAIRING WELL ☐  
FRACTURE TREATMENT ☐ ALTERING CASING ☐  
SHOOTING OR ACIDIZING ☐ ABANDONMENT\* ☐  
(OTHER) **Initial Production** ☒

(NOTE: Report results of multiple completion on Well  
Completion of Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

**Subject well was turned to CIG for sales at 11:50 AM, August 29, 1991.  
626 MCFD, TP 1360, CP 1520, 8/64 choke.**

**RECEIVED**  
**SEP 03 1991**  
**DIVISION OF**  
**OIL GAS & MINING**

18. I hereby certify that the foregoing is true and correct

SIGNED **Linda L. Wall**

TITLE **Sr. Admin. Clerk**

DATE **8/30/91**

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

# ENRON

## OIL & GAS COMPANY

P.O. BOX 1815, VERNAL, UTAH 84078 (801)789-0790

September 17, 1991

Bureau of Land Management  
Vernal District  
170 South 500 East  
Vernal, Utah 84078

RE: COMPLETION REPORT & SUNDRY NOTICE  
NATURAL BUTTES UNIT 307-6E  
NWSW Sec. 6, T10S, R21E S.L.B. & M  
Uintah County, Utah  
LEASE NO. U-01791

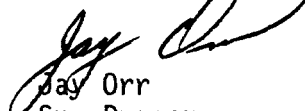
Attn: Ed Forsman

Dear Mr. Forsman:

Attached please find a Completion report and Sundry Notice on subject well.

If you require further information concerning this matter, please contact this office.

Very truly yours,  
ENRON OIL & GAS COMPANY

  
Jay Orr  
Sr. Pumper

cc: Division of Oil Gas & Mining  
Big Piney Office  
Doug Weaver/Toni Miller  
Suzanne Saldivar - Houston  
File

/lwCompsund

**RECEIVED**

SEP 19 1991

DIVISION OF  
OIL GAS & MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL:		OIL WELL <input type="checkbox"/>		GAS WELL <input checked="" type="checkbox"/>		DRY <input type="checkbox"/>		Other _____		
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>		WORK OVER <input type="checkbox"/>		DEEP-EN <input type="checkbox"/>		PLUG BACK <input type="checkbox"/>		
				DIFF. RESVR. <input type="checkbox"/>		Other _____				
2. NAME OF OPERATOR Enron Oil & Gas Company										
3. ADDRESS OF OPERATOR P.O. Box 1815, Vernal, Utah 84078										
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 2000' FEL & 1979' FSL NW/SW At top prod. interval reported below  At total depth										
14. PERMIT NO. 43-047-32010				DATE ISSUED 4/26/91						
15. DATE SPUDDED 6/28/91					16. DATE T.D. REACHED 7/10/91		17. DATE COMPL. (Ready to prod.) 8/30/91		18. ELEVATIONS (DF, RES, RT, GR, ETC.)* 4988' GR	
19. ELEV. CASINGHEAD 5002'										
20. TOTAL DEPTH, MD & TVD 6491'			21. PLUG, BACK T.D., MD & TVD 6219'			22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY Rotary		
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 5998-6012' & 6017-6020' Buck Canyon 5482-5492' & 5555-5566' Chapita Wells } WSTC									25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN CBL/VDL/GR/CCL FDC/CNL/GR, DLL/GR/Caliper mud LOG 7-10-91									27. WAS WELL CORDED No	
28. CASING RECORD (Report all strings set in well)										
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED					
9 5/8"	32.3#	232'	12 1/4"	25 sx Class "G" cmt.	None					
4 1/2"	10/5#	6306'	7 7/8"	200 sx Hi-Lift & 1000 sx 50/50 Pozmix.	None					
29. LINER RECORD										
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)						
30. TUBING RECORD										
SIZE	DEPTH SET (MD)	PACKER SET (MD)								
2 3/8"	6016'									
31. PERFORATION RECORD (Interval, size and number)										
5998-6012'	3 1/8" gun	2 SPF								
6017-6020'	3 1/8" gun	2 SPF								
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.										
DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED									
5993-6012'	23,550 gal YF 140 gelled									
6017-6020'	2% KCl wtr, 33,780# 20/40 sand & 35,000# 16/30 resin coated sand.									
33. PRODUCTION										
DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)								
8/30/91	Flwoing	Producing								
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO			
9/5/91	24	12/64	→	0	743MCFD	25				
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)				
925	1050	→	0	743 MCFD	25					
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold to CIG						TEST WITNESSED BY Tom Hufford				
35. LIST OF ATTACHMENTS										

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Linda L. Wall

TITLE

Lt. Admin. Clerk

DATE

9-17-91

\*(See Instructions and Spaces for Additional Data on Reverse Side)

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions. If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29: "Sacks Cement":** Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

#31. 5482-92' 3 1/8" gun 2 SPF #32. 41,900 gal gelled 2% KCl wtr  
 5555-66' 3 1/8" gun 2 SPF 65,900# 20/40 sand, 68,100# 16/30  
 resin coated sand.

**37. SUMMARY OF POROUS ZONES:**  
 SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.

## 38. GEOLOGIC MARKERS

NAME	MEAS. DEPTH	TOP	FROM VERT. DEPTH
GREEN RIVER			
Oil Shale	1455'		+ 3550
"H" Marker	2980'		+ 2025
"J" Marker	3640'		+ 1365
Base "M" Mrk	4300'		+ 705
WASATCH			
Peters Point	4760'		+ 242
Chapita Wells	5274'		- 272
Buck Canyon	5872'		- 870

RECEIVED

SEP 19 1991

DIVISION OF  
OIL GAS & MINING



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE

(Other instruction on reverse side)

Form approved.

Budget Bureau No. 1004-0135

Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.)

Use "APPLICATION FOR PERMIT-" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.

U-01791

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NA

7. UNIT AGREEMENT NAME

NATURAL BUTTES UNIT

8. FARM OR LEASE NAME

NATURAL BUTTES UNIT

9. WELL NO.

307-6E

10. FIELD AND POOL OR WILDCAT

NBU/WASATCH

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

SEC. 6, T10S, R21E

12. COUNTY OR PARISH

UINTAH

13. STATE

UTAH

1. OIL GAS  
WELL ☐ WELL ☒ OTHER

2. NAME OF OPERATOR

ENRON OIL & GAS COMPANY

3. ADDRESS OF OPERATOR

P.O. BOX 1815, VERNAL, UTAH 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

See also space 17 below.)

At surface

2000' FEL & 1979' FSL NW/SW

14. PERMIT NO.

43-047-32010

15. ELEVATIONS (show whether DF, RV, GR, etc.)

4988' GR

16. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(OTHER)

(NOTE: Report results of multiple completion on Well  
Completion of Recompletion Report and Log form.)

SUBSEQUENT REPORT OF:

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

Completion

X

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Enron Oil & Gas Co. completed the subject well as follows:

Perforated 5998-6012' & 6017-6020' w/2 SPF. Fraced down casing w/23,550 gal YF 140 gelled 2% KCl water, 33,700# 20/40 sand & 35,000# 16/30 resin coated sand. Flow tested. Set RBP @ 5600' KB.

Perforated intervals 5482-92' & 5555-66' w/2 SPF. Fraced down casing with 41,900 gal gelled 2% KCl wtr, 65,900# 20/40 sand, 68,100# 16/30 resin coated sand. Flow tested.

Retrieved RBP and ran 2 3/8" 4.7# J-55 production string. Landed @ 6016'.

Installed production facilities.

RECEIVED

SEP 19 1991

DIVISION OF  
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct.

SIGNED *Luisa L. Wall*

TITLE Sr. Admin. Clerk

DATE

9/17/91

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

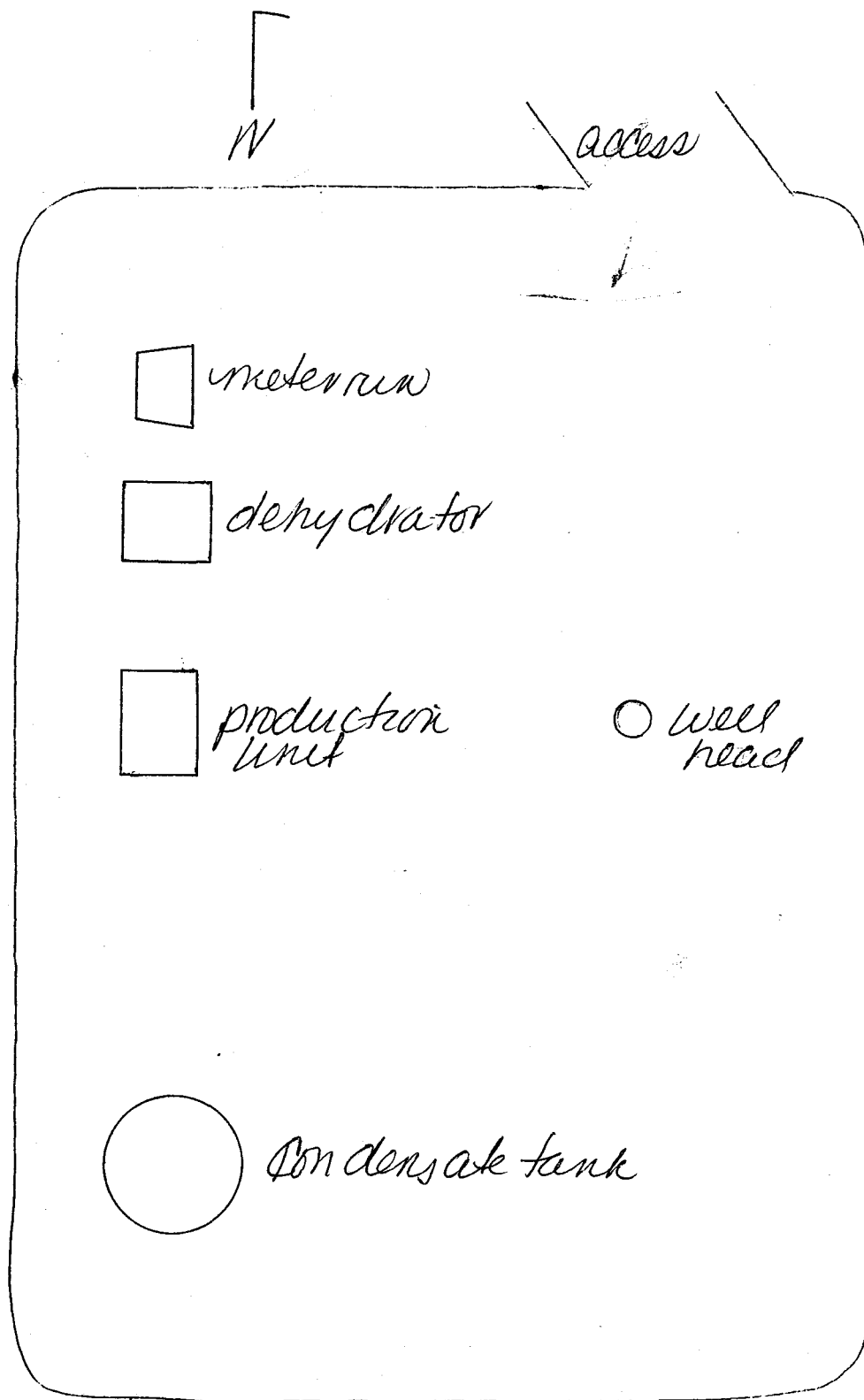
\*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NBL 307-6E

Sec 6, T10S, R21E

July 9 24.91



## PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

☒ Well File SEE BELOW☐ Suspense  
(Return Date) \_\_\_\_\_  
(To - Initials) \_\_\_\_\_☒ Other  
OPERATOR FILE(S)  
ENTITY FILE(Location) Sec \_\_\_\_\_ Twp \_\_\_\_\_ Rng \_\_\_\_\_  
(API No.) \_\_\_\_\_1. Date of Phone Call: 11-7-91 Time: 3:002. DOGM Employee (name) L. ROMERO (Initiated Call ☐)  
Talked to:Name DOROTHY PATTERSON (Initiated Call ☐) - Phone No. (303 ) 572-1121  
of (Company/Organization) COASTAL OIL & GAS (N0230)3. Topic of Conversation: NATURAL BUTTES 307-6E/43-047-32014 10S 21E SEC. 6NATURAL BUTTES 302-9E/43-047-32010 10S 21E SEC. 9\*ENTITY 11229 & 11230/ TO 02900 "NATURAL BUTTES UNIT"4. Highlights of Conversation: ALL NEW APD'S PERMITTED UNDER ENRON OIL & GAS (N0401)AS AGENT FOR COASTAL OIL & GAS, NEED TO BE CHANGED OVER TO COASTAL OIL GASAT TIME OF COMPLETION FOR REPORTING PURPOSES, AS OUTLINED UNDER THE BLM APPROVEDDESIGNATION OF AGENT INVOLVING WELLS WITHIN THE NATURAL BUTTES UNIT. I HAVESPOKEN TO LINDA WALL WITH ENRON OIL & GAS, AND TO AVOID CONFUSION, SHE HAS AGREEDTO SUBMIT A SUNDRY NOTICE ALONG WITH THE WELL COMPLETION REPORT, INDICATING THATOPERATORSHIP NEEDS TO CHANGE FROM ENRON TO COASTAL. THESE 2 WELLS ARE BEINGCHANGED WITHOUT SUCH DOCUMENTATION, AS PER THIS MEMO.CC: TASDMELWP

1-LCR 7-LCR	
2-DPS TS	
3-VLC	✓
4-RJF	✓
5-RWM	✓
6-ADA	✓

Attach all documentation received by the division regarding this change.  
Initial each listed item when completed. Write N/A if item is not applicable.

☒ Change of Operator (well sold)  
Designation of Operator

☐ Designation of Agent  
☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 8/91)

(new operator) COASTAL OIL & GAS  
(address) P. O. BOX 749  
DENVER, CO 80201-0749  
RANDY WAHL  
phone (303) 572-1121  
account no. N0230(X)

FROM (former operator) ENRON OIL & GAS  
(address) P. O. BOX 1815  
VERNAL, UT 84078  
CAROL HATCH  
phone (801) 789-0790  
account no. N0401

Well(s) (attach additional page if needed):

**\*NATURAL BUTTES UNIT**

Name: <u>NBU 307-6E/WSTC</u>	API: <u>43-047-32014</u>	Entity: <u>02900</u>	Sec <u>6</u> Twp <u>10S</u> Rng <u>21E</u>	Lease Type: <u>U-1791</u>
Name: <u>NBU 302-9E/WSTC</u>	API: <u>43-047-32010</u>	Entity: <u>02900</u>	Sec <u>9</u> Twp <u>10S</u> Rng <u>21E</u>	Lease Type: <u>U-01791</u>
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____

# OPERATOR CHANGE DOCUMENTATION

1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (See Designation of Agent/Unit File)
2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (See Desig. of Agent/Unit File)
3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_ If yes, show company file number: \_\_\_\_\_.
4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below. (See Desig. of Agent/Unit File)
5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (11-8-91)
6. Cardex file has been updated for each well listed above. (11-8-91)
7. Well file labels have been updated for each well listed above. (11-8-91)
8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (11-8-91)
9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

## REVIEW

1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) yes (If entity assignments were changed, attach copies of Form 6, Entity Action Form). *Entity numbers 11229 & 11230 no longer active. changed wells to 02900.*
2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

## VERIFICATION (Fee wells only)

1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no) yes. Today's date                      19    . If yes, division response was made by letter dated                      19    .

## INTEREST OWNER NOTIFICATION RESPONSIBILITY

1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated                      19    , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
2. Copies of documents have been sent to State Lands for changes involving State leases.

## ING

1. All attachments to this form have been microfilmed. Date: January 24, 1992. *RWM*

*file* Copies of all attachments to this form have been filed in each well file.

2. The original of this form and the original attachments have been filed in the Operator Change file. *file*

## MENTS

# ENRON

## OIL & GAS COMPANY

P.O. BOX 1815, VERNAL, UTAH 84078 (801)789-0790

December 18, 1991

Bureau of Land Management  
Vernal District  
170 South 500 East  
Vernal, Utah 84078

RE: SUNDRY NOTICE - PRODUCED WATER DISPOSAL  
Natural Buttes Unit 307-6E  
NWSE Sec. 6, T10S, R21E S.L.B.&M  
Uintah County, Utah  
Lease No. U-01791

Attn: Ed Forsman

Dear Mr. Forsman:

Attached please find a Sundry Notice on subject well requesting produced water disposal.

If you require further information concerning this matter, please contact this office.

Very truly yours,  
ENRON OIL & GAS COMPANY



George R. McBride  
Sr. Production Foreman

cc: Division of Oil Gas & Mining  
Big Piney Office  
Doug Weaver/Toni Miller  
Suzanne Saldivar - Houston  
File

/lwSundry

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate

(Other instruction on  
reverse side)

Form approved.

Budget Bureau No. 1004-0135

Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT-" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.  
**U-01791**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

1. OIL WELL ☐ GAS WELL ☒ OTHER

7. UNIT AGREEMENT NAME  
**NATURAL BUTTES UNIT**

2. NAME OF OPERATOR  
**ENRON OIL & GAS COMPANY**

8. FARM OR LEASE NAME  
**NATURAL BUTTES UNIT**

3. ADDRESS OF OPERATOR  
**P.O. BOX 1815, VERNAL, UTAH 84078**

9. WELL NO.

**307-6E**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)

At surface  
**2000' FEL & 1979' FSL NW/SE**

10. FIELD AND POOL OR WILDCAT

**NBU/WASATCH**

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

**SEC. 6, T10S, R21E**

14. PERMIT NO. **4**  
**43-047-32010**

15. ELEVATIONS (show whether DF, RY, GR, etc.)  
**4988' GR**

12. COUNTY OR PARISH  
**UINTAH**

13. STATE  
**UTAH**

16. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐  
FRACTURE TREAT ☐  
SHOOT OR ACIDIZE ☐  
REPAIR WELL ☐  
(Other) **DISPOSE OF PROD. WATER**

PULL OR ALTER CASING ☐  
MULTIPLE COMPLETE ☐  
ABANDON\* ☐  
CHANGE PLANS ☒

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐  
FRACTURE TREATMENT ☐  
SHOOTING OR ACIDIZING ☐  
(OTHER) ☐

REPAIRING WELL ☐  
ALTERING CASING ☐  
ABANDONMENT\* ☐

(NOTE: Report results of multiple completion on Well  
Completion of Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any  
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones perti-  
nent to this work.)\*

**Enron Oil & Gas Company requests approval to dispose of produced water from the  
subject well by the following method:**

- 1. Store in tank.**
- 2. Haul by truck to State approved disposal - Ace Oilfield Disposal, Inc.**

Accepted by            State  
of Utah Division of  
Oil, Gas and Mining  
Date: 12-30-91  
By: [Signature]

18. I hereby certify that the foregoing is true and correct

SIGNED Linda L. Wau

TITLE **Sr. Admin. Clerk**

DATE

**12/18/91**

(This space for Federal or State office use)

APPROVED BY Federal Approval of this

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY: Action is Necessary

Store above ground.

\*See Instructions on Reverse Side

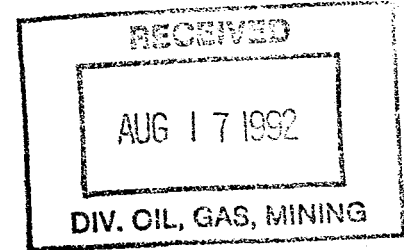
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the  
United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



**Coastal Oil & Gas Corporation**  
A SUBSIDIARY OF THE COASTAL CORPORATION

The Energy People

AD VALOREM TAX  
August 13, 1992



Department of Natural Resources  
State of Utah  
Division of Oil, Gas and Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

Dear Sirs:

The Property Tax Division of the State of Utah has evaluated Coastal Oil & Gas Corporation's operated oil & gas properties for 1992. In their evaluation the Property Tax Division has included three leases that are operated by companies other than Coastal. The personnel at the Property Tax Division suggested that I contact your department to request changes which would then subsequently be reflected on their records. The three leases in question and the correct operator are as follows:

<u>API #</u>	<u>OPERATOR</u>
43-047-32010	Enron NBW 302-9E, 10S 21E Sec. 9
43-047-32014	Enron NBW 307-6E, 10S 21E Sec. 6
43-047-30320	CIG Exploration, Inc. CIG 2-32-9-22, 9S 27E Sec. 32

I have enclosed copies of Completion Notices and Sundry Notices which indicate official filings with the correct operator shown.

Please review this data and correct your records accordingly. If you have any questions, please do not hesitate to contact me. Thank you for your cooperation.

Sincerely,

*Randolph F. Hiriart*

Randolph F. Hiriart  
Supervisor

RFH:mr

X 920828 This is not an operator change. Refer to Natural Buttes Unit Agreement. Spoke with Robert Platt / Tax Commission, he will explain assessments issued to Coastal, referred Mr. Hiriart to Tax Comm. / Robert Platt. JH



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☐ GAS WELL ☐ OTHER \_\_\_\_\_

2. NAME OF OPERATOR:  
El Paso Production Oil & Gas Company

3. ADDRESS OF OPERATOR: 8 South 1200 East CITY Vernal STATE Utah ZIP 84078 PHONE NUMBER: 435-789-4433

4. LOCATION OF WELL

FOOTAGES AT SURFACE:

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

5. LEASE DESIGNATION AND SERIAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:

Exhibit "A"

9. API NUMBER:

10. FIELD AND POOL, OR WILDCAT:

COUNTY:

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☐ NOTICE OF INTENT  
(Submit in Duplicate)

Approximate date work will start:

☐ SUBSEQUENT REPORT  
(Submit Original Form Only)

Date of work completion:

☐ ACIDIZE

☐ ALTER CASING

☐ CASING REPAIR

☐ CHANGE TO PREVIOUS PLANS

☐ CHANGE TUBING

☐ CHANGE WELL NAME

☐ CHANGE WELL STATUS

☐ COMMINGLE PRODUCING FORMATIONS

☐ CONVERT WELL TYPE

☐ DEEPEN

☐ FRACTURE TREAT

☐ NEW CONSTRUCTION

☐ OPERATOR CHANGE

☐ PLUG AND ABANDON

☐ PLUG BACK

☐ PRODUCTION (START/RESUME)

☐ RECLAMATION OF WELL SITE

☐ RECOMPLETE - DIFFERENT FORMATION

☐ REPERFORATE CURRENT FORMATION

☐ SIDETRACK TO REPAIR WELL

☐ TEMPORARILY ABANDON

☐ TUBING REPAIR

☐ VENT OR FLARE

☐ WATER DISPOSAL

☐ WATER SHUT-OFF

☒ OTHER: Name Change

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

As a result of the merger between The Coastal Corporation and a wholly owned subsidiary of El Paso Energy Corporation, the name of Coastal Oil & Gas Corporation has been changed to El Paso Production Oil & Gas Company effective March 9, 2001.

See Exhibit "A"

Bond # 400JU0708

Coastal Oil & Gas Corporation

NAME (PLEASE PRINT) John T. Elzner

TITLE Vice President

SIGNATURE

DATE 06-15-01

El Paso Production Oil & Gas Company

NAME (PLEASE PRINT) John T. Elzner

TITLE Vice President

SIGNATURE

DATE 06-15-01

(This space for State use only)

RECEIVED

JUN 19 2001

DIVISION OF  
OIL, GAS AND MINING

**EXHIBIT "A"**

**NAME CHANGE FROM COASTAL OIL & GAS CORPORATION TO EL PASO PRODUCTION OIL & GAS COMPANY**

API Well Number	Well Name	Well Type	Well Status	Location (Twp-Rng)	Section
43-047-31986-00-00	CIGE 139-10-10-21	Gas Well	Producing Well	10S-21E	10
43-047-31988-00-00	CIGE 137-6-10-21	Gas Well	Producing Well	10S-21E	6
43-047-32001-00-00	CIGE 135-3-10-21	Gas Well	Producing Well	10S-21E	3
43-047-32010-00-00	302-9E	Gas Well	Producing Well	10S-21E	9
43-047-32014-00-00	307-6E	Gas Well	Producing Well	10S-21E	6
43-047-32021-00-00	CIGE 146-16-10-21	Gas Well	Producing Well	10S-21E	16
43-047-32049-00-00	CIGE 138A-6-10-21	Gas Well	Producing Well	10S-21E	6
43-047-32056-00-00	CIGE 149-8-10-21	Gas Well	Producing Well	10S-21E	8
43-047-32058-00-00	CIGE 150-9-10-21	Gas Well	Producing Well	10S-21E	9
43-047-32059-00-00	CIGE 151-10-10-21	Gas Well	Producing Well	10S-21E	10
43-047-32069-00-00	NBU 163	Gas Well	Producing Well	10S-21E	14
43-047-32120-00-00	CIGE 159-6-10-21	Gas Well	Producing Well	10S-21E	6
43-047-32123-00-00	CIGE 168-16-10-21	Gas Well	Producing Well	10S-21E	16
43-047-32124-00-00	CIGE 160-14-10-21	Gas Well	Producing Well	10S-21E	14
43-047-32142-00-00	CIGE 167-7-10-21	Gas Well	Producing Well	10S-21E	7
43-047-32148-00-00	NBU 332-8E	Gas Well	Producing Well	10S-21E	8
43-047-32172-00-00	CIGE 166-3-10-21	Gas Well	Producing Well	10S-21E	3
43-047-32339-00-00	NBU 211	Gas Well	Producing Well	10S-21E	1
43-047-32471-00-00	NBU 215	Gas Well	Producing Well	10S-21E	12
43-047-32481-00-00	CIGE 182-7-10-21	Gas Well	Producing Well	10S-21E	7
43-047-32795-00-00	CIGE 205-1-10-21	Gas Well	Producing Well	10S-21E	1
43-047-32796-00-00	NBU 265	Gas Well	Producing Well	10S-21E	2
43-047-32835-00-00	NBU 390-4E	Gas Well	Producing Well	10S-21E	4
43-047-32862-00-00	NBU 270	Gas Well	Producing Well	10S-21E	13
43-047-32883-00-00	CIGE 224-2-10-21	Gas Well	Producing Well	10S-21E	2
43-047-32888-00-00	CIGE 210-16-10-21	Gas Well	Producing Well	10S-21E	16
43-047-32941-00-00	NBU 266	Gas Well	Producing Well	10S-21E	10
43-047-32942-00-00	NBU 267	Gas Well	Producing Well	10S-21E	10
43-047-32943-00-00	CIGE 209-15-10-21	Gas Well	Producing Well	10S-21E	15
43-047-32975-00-00	CIGE 207-8-10-21	Gas Well	Producing Well	10S-21E	8
43-047-32988-00-00	NBU 391-5E	Gas Well	Producing Well	10S-21E	5
43-047-32995-00-00	CIGE 226-3-10-21	Gas Well	Producing Well	10S-21E	3
43-047-32996-00-00	CIGE 206-4-10-21	Gas Well	Producing Well	10S-21E	4
43-047-32997-00-00	CIGE 208-8-10-21	Gas Well	Producing Well	10S-21E	8
43-047-32998-00-00	CIGE 227-9-10-21	Gas Well	Producing Well	10S-21E	9

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "COASTAL OIL & GAS CORPORATION", CHANGING ITS NAME FROM "COASTAL OIL & GAS CORPORATION" TO "EL PASO PRODUCTION OIL & GAS COMPANY", FILED IN THIS OFFICE ON THE NINTH DAY OF MARCH, A.D. 2001, AT 11 O'CLOCK A.M.

RECEIVED

JUN 14 2001

DIVISION OF  
OIL, GAS AND MINING



*Harriet Smith Windsor*  
Harriet Smith Windsor, Secretary of State

0610204 8100

AUTHENTICATION: 1061007

010162788

DATE: 04-03-01

CERTIFICATE OF AMENDMENT  
OF  
CERTIFICATE OF INCORPORATION

COASTAL OIL & GAS CORPORATION (the "Company"), a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware, DOES HEREBY CERTIFY:

FIRST: That the Board of Directors of the Company, by the unanimous written consent of its members, filed with the minutes of the Board, adopted a resolution proposing and declaring advisable the following amendment to the Certificate of Incorporation of the Company:

RESOLVED that it is deemed advisable that the Certificate of Incorporation of this Company be amended, and that said Certificate of Incorporation be so amended, by changing the Article thereof numbered "FIRST." so that, as amended, said Article shall be and read as follows:

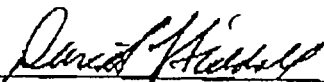
"FIRST. The name of the corporation is El Paso Production Oil & Gas Company."

SECOND: That in lieu of a meeting and vote of stockholders, the stockholders entitled to vote have given unanimous written consent to said amendment in accordance with the provisions of Section 228 of the General Corporation Law of the State of Delaware.

THIRD: That the aforesaid amendment was duly adopted in accordance with the applicable provisions of Sections 242 and 228 of the General Corporation Law of the State of Delaware.

IN WITNESS WHEREOF, said COASTAL OIL & GAS CORPORATION has caused this certificate to be signed on its behalf by a Vice President and attested by an Assistant Secretary, this 9th day of March 2001.

COASTAL OIL & GAS CORPORATION



David L. Siddall  
Vice President

Attest:

  
Margaret E. Roark, Assistant Secretary

**RECEIVED**

STATE OF DELAWARE  
SECRETARY OF STATE  
DIVISION OF CORPORATIONS  
FILED 11:00 AM 03/09/2001  
010118394 - 0610204

JUN 19 2001

DIVISION OF  
OIL, GAS AND MINING



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155

**RECEIVED**

JUL 12 2001

DIVISION OF  
OIL, GAS AND MINING

In Reply Refer To:  
3106  
UTSL-065841  
(UT-924)

JUL 10 2001

### NOTICE

El Paso Production Oil & Gas Company	:	Oil and Gas
Nine Greenway Plaza	:	
Houston TX 77046-0095	:	

#### Name Change Recognized

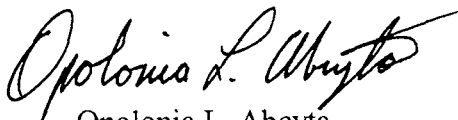
Acceptable evidence has been received in this office concerning the name change of Coastal Oil & Gas Corporation into El Paso Production Oil & Gas Company with El Paso Production Oil & Gas Company being the surviving entity.

For our purposes, the name change is recognized effective March 9, 2001.

The oil and gas lease files identified on the enclosed exhibit have been noted as to the name change. The exhibit was compiled from a list of leases obtained from our computer program. We have not abstracted the lease files to determine if the entities affected by this name change hold an interest in the leases identified nor have we attempted to identify leases where the entities are the operator on the ground maintaining no vested recorded title or operating rights interests. We will be notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

If you identify additional leases in which the entities maintain an interest, please contact this office and we will appropriately document those files with a copy of this Notice.

Due to the name change, the name of the principal/obligor on the bond is required to be changed from Coastal Oil & Gas Corporation to El Paso Production Oil & Gas Company. You may accomplish this either by consent of surety rider on the original bond or a rider to the original bond. The bonds are held in Wyoming and Colorado.



Opolonia L. Abeyta  
Acting Chief, Branch of  
Minerals Adjudication

Enclosure

1. Exhibit of Leases (1 pp)

cc: Moab Field Office  
Vernal Field Office  
MMS, Reference Data Branch, MS3130, PO Box 5860, Denver CO 80217  
~~State of Utah, DOGM~~, Attn: Jim Thompson (Ste. 1210), Box 145801, SLC UT 84114  
Teresa Thompson (UT-922)  
Joe Incardine (UT-921)

### Exhibit of Leases

UTUSL-065841A	UTU-47172	UTU-74415	UTU-53860
UTU-28652	UTU-50687	UTU-74416	UTU-66401
UTU-37943	UTU-52298	UTU-75091	UTU-67868
UTU-44089	UTU-0109054	UTU-75096	UTU-65389
UTU-44090A	UTU-0143511	UTU-75097	UTU-77084
UTU-61263	UTU-0143512	UTU-75673	UTU-61430
UTU-00343	UTU-38401	UTU-76259	UTU-72633
UTU-02651	UTU-38411	UTU-76260	UTU-72650
UTU-02651B	UTU-38418	UTU-76261	UTU-49692
UTU-0142175	UTU-38419	UTU-76493	UTU-57894
UTU-70235	UTU-38420	UTU-76495	UTU-76829
UTU-70406	UTU-38421	UTU-76503	UTU-76830
UTU-74954	UTU-38423	UTU-78228	UTU-76831
UTU-75132	UTU-38424	UTU-78714	
UTU-75699	UTU-38425	UTU-78727	
UTU-76242	UTU-38426	UTU-78734	
UTU-78032	UTU-38427	UTU-79012	
UTU-4377	UTU-38428	UTU-79011	
UTU-4378	UTU-53861	UTU-71694	
UTU-7386	UTU-58097	UTU-00576	
UTU-8344A	UTU-64376	UTU-00647	
UTU-8345	UTU-65222	UTU-01470D	
UTU-8347	UTU-65223	UTU-0136484	
UTU-8621	UTU-66746	UTU-8344	
UTU-14646	UTU-67178	UTU-8346	
UTU-15855	UTU-67549	UTU-8648	
UTU-25880	UTU-72028	UTU-28212	
UTU-28213	UTU-72632	UTU-30289	
UTU-29535	UTU-73009	UTU-31260	
UTU-29797	UTU-73010	UTU-33433	
UTU-31736	UTU-73013	UTU-34711	
UTU-34350	UTU-73175	UTU-46699	
UTU-34705	UTU-73434	UTU-78852	
UTU-37116	UTU-73435	UTU-78853	
UTU-37355	UTU-73444	UTU-78854	
UTU-37573	UTU-73450	UTU-075939	
UTU-38261	UTU-73900	UTU-0149767	
UTU-39223	UTU-74409	UTU-2078	
UTU-40729	UTU-74410	UTU-44426	
UTU-40736	UTU-74413	UTU-49530	
UTU-42469	UTU-74414	UTU-51026	

**OPERATOR CHANGE WORKSHEET****ROUTING**

1. GLH		4-KAS
2. CDW	✓	5-LP ✓
3. JLT		6-FILE

Enter date after each listed item is completed

Change of Operator (Well Sold)

Designation of Agent

Operator Name Change (Only)

**X**      **Merger**The operator of the well(s) listed below has changed, effective: **3-09-2001**

<b>FROM:</b> (Old Operator):
COASTAL OIL & GAS CORPORATION
Address: 9 GREENWAY PLAZA STE 2721
HOUSTON, TX 77046-0995
Phone: 1-(713)-418-4635
Account N0230

<b>TO:</b> ( New Operator):
EL PASO PRODUCTION OIL & GAS COMPANY
Address: 9 GREENWAY PLAZA STE 2721 RM 2975B
HOUSTON, TX 77046-0995
Phone: 1-(832)-676-4721
Account N1845

**CA No.****Unit: NATURAL BUTTES****WELL(S)**

NAME	API NO	ENTITY NO	SEC TWN RNG	LEASE TYPE	WELL TYPE	WELL STATUS
CIGE 137-6-10-21	43-047-31988	2900	06-10S-21E	FEDERAL	GW	P
307-6E	43-047-32014	2900	06-10S-21E	FEDERAL	GW	P
CIGE 138A-6-10-21	43-047-32049	2900	06-10S-21E	FEDERAL	GW	P
CIGE 159-6-10-21	43-047-32120	2900	06-10S-21E	FEDERAL	GW	P
NBU 1-7B	43-047-30261	2900	07-10S-21E	FEDERAL	GW	P
NBU CIGE 13-7-10-21	43-047-30420	2900	07-10S-21E	FEDERAL	GW	P
NBU CIGE 94D-7-10-21J	43-047-31164	2900	07-10S-21E	FEDERAL	GW	P
CIGE 167-7-10-21	43-047-32142	2900	07-10S-21E	FEDERAL	GW	S
CIGE 182-7-10-21	43-047-32481	2900	07-10S-21E	FEDERAL	GW	P
NBU 13-8B	43-047-30294	2900	08-10S-21E	FEDERAL	GW	P
CIGE 7-8-10-21	43-047-30358	2900	08-10S-21E	FEDERAL	GW	P
NBU CIGE 75D-8-10-21P	43-047-30954	2900	08-10S-21E	FEDERAL	GW	P
FEDERAL 205-8	43-047-31238	2900	08-10S-21E	FEDERAL	GW	P
CIGE 102D-8-10-21	43-047-31741	2900	08-10S-21E	FEDERAL	GW	P
CIGE 149-8-10-21	43-047-32056	2900	08-10S-21E	FEDERAL	GW	P
NBU 332-8E	43-047-32148	2900	08-10S-21E	FEDERAL	GW	P
CIGE 207-8-10-21	43-047-32975	2900	08-10S-21E	FEDERAL	GW	P
CIGE 208-8-10-21	43-047-32997	2900	08-10S-21E	FEDERAL	GW	P
NBU 508-8E	43-047-33124	2900	08-10S-21E	FEDERAL	GW	P
NBU 7-9B	43-047-30278	2900	09-10S-21E	FEDERAL	GW	P

**OPERATOR CHANGES DOCUMENTATION**

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 06/19/2001
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 06/19/2001
- The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 06/21/2001
- Is the new operator registered in the State of Utah: YES Business Number: 608186-0143



5. If **NO**, the operator was contacted contacted on: N/A
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the (merger, name change, or operator change for all wells listed on Federal or Indian leases on: 07/10/2001
7. **Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: 07/10/2001
8. **Federal and Indian Communization Agreements ("CA"):** The BLM or the BIA has approved the operator change for all wells listed involved in a CA on: 07/10/2001
9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

---

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 08/06/2001
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 08/06/2001
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

---

**STATE BOND VERIFICATION:**

1. State well(s) covered by Bond No.: N/A

---

**FEDERAL BOND VERIFICATION:**

1. Federal well(s) covered by Bond No.: WY 2793

---

**FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond No: N/A
2. The **FORMER** operator has requested a release of liability from their bond on: N/A  
The Division sent response by letter on: N/A
3. (R649-2-10) The **FORMER** operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: \_\_\_\_\_

---

**FILMING:**

1. All attachments to this form have been **MICROFILMED** on: \_\_\_\_\_

---

**FILING:**

1. **ORIGINALS/COPIES** of all attachments pertaining to each individual well have been filled in each well file on: \_\_\_\_\_

---

**COMMENTS: Master list of all wells involved in operator change from Coastal Oil & Gas Corporation to El Paso Production Oil and Gas Company shall be retained in the "Operator Change File".**

---

---

---

---

---



# United States Department of the Interior **RECEIVED**

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155

FEB 22 2002

DIVISION OF  
OIL, GAS AND MINING

In Reply Refer To:

3106

UTU-25566 et al

(UT-924)

FEB 21 2002

### NOTICE

Westport Oil and Gas Company L.P. : Oil and Gas  
410 Seventeenth Street, #2300 :  
Denver Colorado 80215-7093 :

#### Name Change Recognized

Acceptable evidence has been received in this office concerning the name change of Westport Oil and Gas Company, Inc. into Westport Oil and Gas Company, L.P. with Westport Oil and Gas Company, L.P. being the surviving entity.

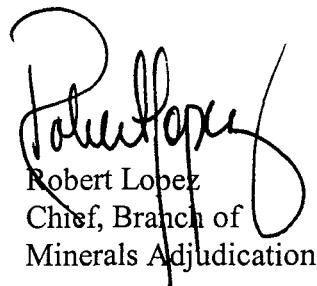
For our purposes, the name change is recognized effective December 31, 2001.

The oil and gas lease files identified have been noted as to the name change. The exhibit was compiled from a list of leases obtained from our computer program. We have not abstracted the lease files to determine if the entities affected by this name change hold an interest in the leases identified nor have we attempted to identify leases where the entities are the operator on the ground maintaining no vested recorded title or operating rights interests. We will be notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

If you identify additional leases in which the entities maintain an interest, please contact this office and we will appropriately document those files with a copy of this Notice.

Due to the name change, the name of the principal/obligor on the bond is required to be changed from Westport Oil and Gas Company, Inc. to Westport Oil and Gas Company, L.P.. You may accomplish this either by consent of surety rider on the original bond or a rider to the original bond. The bonds are held in Colorado.

UTU-03405  
UTU-20895  
UTU-25566  
UTU-43156  
UTU-49518  
UTU-49519  
UTU-49522  
UTU-49523



Robert Lopez  
Chief, Branch of  
Minerals Adjudication

cc: Moab Field Office  
Vernal Field Office  
MMS, Reference Data Branch, MS3130, PO Box 5860, Denver CO 80217  
State of Utah, DOGM, Attn: Jim Thompson (Ste. 1210), Box 145801, SLC UT 84114  
Teresa Thompson (UT-922)  
Joe Incardine (UT-921)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

5. Lease Serial No.  
U 01791

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

7. If Unit or CA/Agreement, Name and/or No.  
NATURAL BUTTE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.  
NATURAL BUTTE UNIT 307-6E

2. Name of Operator  
EOG RESOURCES, INC.

Contact: KATY CARLSON  
E-Mail: Kathleen\_Carlson@EOGResources.com

9. API Well No. 14  
43-047-32040

3a. Address  
P.O. BOX 250  
BIG PINEY, WY 83113

3b. Phone No. (include area code)  
Ph: 307.276.4842

10. Field and Pool, or Exploratory  
NATURAL BUTTE/WASATCH

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 6 T10S R21E NWSW 1979FSL 2000FEL

11. County or Parish, and State

UINTAH COUNTY, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

EOG Resources, Inc. proposes to re-complete additional intervals in the Wasatch formation as follows:

1. Perforate the Buck Canyon from 6083-87', 5916-18', 5909-12', 5901-06'.
2. Fracture stimulate w/360 bbls gelled water & 48,500# 20/40 sand.
3. Perforate the Chapita Wells from 5800-02', 5664-68' & 5652-56'.
4. Fracture stimulate w/360 bbls gelled water & 48,500# 20/40 sand.
5. Return well to production.

**RECEIVED**

**MAY 24 2002**

Accepted by the  
Utah Division of  
Oil, Gas and Mining

COPY SENT TO OPERATOR

Date: 5-28-02  
Initials: CHD

Date: 5/28/02

By: [Signature]

Federal Approval of this  
Action Is Necessary  
**DIVISION OF OIL, GAS AND MINING**

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #11401 verified by the BLM Well Information System  
For EOG RESOURCES, INC., will be sent to the Vernal

Name (Printed/Typed) KATY CARLSON

Title REGULATORY ANALYST

Signature

(Electronic Submission)

[Signature]

Date 05/21/2002

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*\* DRAFT \*\* DRAFT \*\* DRAFT \*\* DRAFT \*\* DRAFT \*\* DRAFT \*\* DRAFT \*\***



October 3, 2002

EOG Resources, Inc.  
333 Clay Street  
Suite 4200  
Houston, Texas 77002

P.O. Box 4362  
Houston, Texas 77210-4362

John R. Baza  
Associate Director  
State of Utah  
Department of Natural Resources  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
P. O. Box 145801  
Salt Lake City, UT 84114-5801

Re: Designation of Work over or Recompletion, Form 15

Dear Mr. Baza:

Enclosed is referenced form 15 for the NBU 307-6E well. The form 15 expenses are submitted within the 90-day time allowed. The sundry notice was approved on June 10, 2002. Please review and return a copy with total approved expenses to the undersigned.

Thank you for the attention given to this matter. Should additional information be required, please contact me at (713) 651-6614.

Sincerely,

A handwritten signature in black ink, appearing to read "Tony Martinez", written in a cursive style.

Tony Martinez  
Accountant

**RECEIVED**

OCT 07 2002

DIVISION OF  
OIL, GAS AND MINING

## FORM 15

AMENDED REPORT ☒

Original Filing Date:

1. Name of Operator <i>ENG NEAVES, INC.</i>			2. Utah Account Number <i>N</i>	5. Well Name and Number <i>NBU 307-6E</i>
3. Address of Operator <i>Box 250</i>			4. Phone Number <i>307-276-3331</i>	6. API Number <i>43-047-30014</i>
9. Location of Well <i>Big Piney</i>			7. Field Name <i>Natural Buttes</i>	
Footage : <i>1979' FSL, 2000' FEL</i>			8. Field Code Number	
QQ. Section, Township, Range: <i>N40W, Sec. 6, T10S, R21E</i>			State : <i>UTAH</i>	

State: UTAH

**COMPLETE ALL SECTIONS. ATTACH ADDITIONAL SHEETS IF NEEDED.**

10. TYPE OF WORK (Check all that apply)
- |   |  |
|---|--|
| <input type="checkbox"/> Production enhancement | <input checked="" type="checkbox"/> Recompletion |
| <input type="checkbox"/> Convert to injection   | <input type="checkbox"/> Repair well             |
11. WORK PERIOD
- |                     |         |
|---------------------|---------|
| Date work commenced | 7/2/02  |
| Date work completed | 7/17/02 |
12. THE FOLLOWING EXPENSES FOR OPERATIONS ARE SUBMITTED FOR DESIGNATION AS WORKOVER OR RECOMPLETION EXPENSES:

- a. Location preparation and cleanup
- b. Move-in, rig-up, and rig-down (including trucking)
- c. Rig charges (including fuel)
- d. Drill pipe or other working string
- e. Water and chemicals for circulating fluid (including water hauling)
- f. Equipment purchase
- g. Equipment rental
- h. Cementing
- i. Perforating
- j. Acidizing
- k. Fracture stimulation
- l. Logging services
- m. Supervision and overhead
- n. Other (itemize)

Contract Labor - Camp's Doushant

Expenses	Approved by State
4292	
28261	
2266	
296	
12231	
3151	
28272	
15700	
1319	

- o. Total submitted expenses
- p. Total approved expenses (State use only)

13. LIST CONTRACTORS PROVIDING SERVICES VALUED AT MORE THAN \$3,000

Contractor	Location (City, State)	Services Provided
Cannon Well Service	Vernal, Utah	Drilling
Schlumberger	"	Formation
GPH Consulting	"	Supervision

**14. LIST WORKING INTEREST OWNERS WHO TAKE PRODUCT IN KIND AND ARE AUTHORIZED TO SHARE IN THE TAX CREDIT.**

Name	Address	Utah Account No.	Percent of Interest
EOG RESOURCES		N9550	.66666
EL PASO PRODUCTION		N1845	.33333

I hereby certify that this report is true and complete to the best of my knowledge.

NAME (PLEASE PRINT) Tim E. Egan

SIGNATURE

(3/2000)

TITLE Area Production Mgr.

DATE 9/23/02

OCT 07 2002

## DIVISION OF OIL, GAS AND MINING

State of Utah  
Department of Natural Resources  
Division of Oil, Gas and Mining  
Oil and Gas Program

**Workover Tax Credit Screening Form**

Operator Name: EOG Resources  
Form 15, Item 11, Date Work Commenced: 07-02-2002  
Form 15, Item 11, Date Work Completed: 07-17-2002

Screening Date: 10-07-2002  
Screener Name: VDyson

**File Screening Review:**

Well API No.	Well Name	Check (✓) if Sundry Notice of Intent Submitted and Approved by Division Prior to Work Date	Check (✓) if Subsequent Sundry Notice Submitted
43 047 32014	NBU 307-6E		✓

**Screening Action:**

- ☒ Forwarded for Technical Evaluation
- ☐ Returned to Operator -sundry Notice of Intent not Submitted for Approval by Division per R649-3-23-1\*
- ☐ Returned to Operator - Subsequent Sundry Notice not Received by Division per R649-3-23-5\*

**Technical Review Status/Action:**

Total submitted Expenses: Amount \$ 95,788<sup>00</sup>

Approved as Submitted: Amount \$

Approved in Part: Amount \$ 0<sup>00</sup>

*Deductions For:*

**Not Approved - Returned to Operator**

- ☐ A. 90 Day Submittal Deadline Exceeded per R649-3-23-6\*
- ☐ B. Ineligible Expenses per R649-3-23-7\* and/or R649-8-17.2\*
- ☐ B1. Surface Work or Surface Equipment
- ☐ B2. Pump Changes
- ☐ B3. Routine Maintenance
- ☐ B4. Secondary or enhanced recovery project never approved by Board
- C. Unable to Evaluate

- ☐ C1. Ineligible Expenses Included with Eligible Expenses.
- ☒ C2. Other, List Below

Operator requesting designation of workover or Recompletion is not the operator of record - see attached letter.

*Dustin K. Doucet* 10/25/02

Dustin K. Doucet  
Petroleum Engineer

\*= See Attached excerpts from Oil and Gas Conservation General Rules, June 2, 1998 Revision



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210  
PO Box 145801

Michael O. Leavitt  
Governor

Robert L. Morgan  
Executive Director

Lowell P. Braxton  
Division Director

Salt Lake City, Utah 84114-5801  
(801) 538-5340 telephone  
(801) 359-3940 fax  
(801) 538-7223 TTY  
www.nr.utah.gov

January 13, 2003

Jim Schaefer  
EOG Resources, Inc  
Box 250  
Big Piney, WY 83113

Re: Designation of Workover or Recompletion, Form 15 - NBU 307-6E; API # 43-047-32014

Dear Jim:

I received your request for Designation of Workover or Recompletion for the above referenced well on October 7, 2002. The Division of Oil, Gas & Mining's (DOGM) records show El Paso Oil & Gas Company (El Paso) as the operator of the NBU 307-6E well. Until such time that the proper documentation is submitted to DOGM from El Paso and EOG Resources, Inc. (EOG) showing EOG as the operator or the agent for El Paso of said well, I cannot process your request.

In response to my concerns, Tony Martinez of your company sent in a Designation of Agent showing Enron Oil & Gas Company (now known as EOG Resources, Inc.) as agent, dated April 25, 1991 between Coastal Oil & Gas Corporation (now known as El Paso Oil & Gas Company) and Bureau of Land Management (BLM). This designation of agent "is deemed to be temporary and in no manner a permanent arrangement. This designation is given only to enable the agent ... to drill the above specified unit well. ... At which time the Unit Operator shall assume all liability ...." BLM acknowledges El Paso as the operator of the Natural Buttes Unit.

I will be happy to continue processing your request when I receive the information requested. Please contact me at (801) 538-5281 if you require further information regarding this matter.

Sincerely,

Dustin Doucet  
Petroleum Engineer

er

cc: John Baza  
Operator and well files





EOG Resources, Inc.  
333 Clay Street  
Suite 4200  
Houston, Texas 77002

P.O. Box 4562  
Houston, Texas 77210-4562

**Facsimile Number -- (713) 651-6615**

**DATE:** October 29, 2002

**TO:** Dustin Doucet

**COMPANY:** Utah Division of Oil, Gas & Mining

**FAX #:** 801-359-3940

**FROM:** Tony Martinez

**COMPANY:** EOG Resources, Inc.

**PHONE #:** 713-651-6614

**TOTAL NUMBER OF PAGES (including cover page):**

2

**NOTES:**

Per our discussion, attached is the April 1991 operator designation for the NBU 307-6E well.

**RECEIVED**

**OCT 29 2002**

**DIVISION OF  
OIL, GAS AND MINING**

10-20-02 09:25

From-EOG RESOURCES, INC.

3038245401

T-060 P.001/001 F-682

DESIGNATION OF AGENT

Robert A. Henriks  
Chief, Branch of Fluid Minerals

The undersigned is, on the records of the Bureau of Land Management Unit Operator under the Natural Gas Unit Agreement, Uintah County, Utah. No. 14-08-00018900 approved January 5, 1968. and hereby designates:

NAME: Enron Oil & Gas Company

ADDRESS: P.O. Box 1815  
Vernal, Utah 84078

as its agent, with full authority to act in its behalf in complying with the terms of the unit agreement and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Oil and Gas Operating Regulations with respect to drilling, testing, and completing unit well No. 307-6E, the NW/4SE/4 of Section 6, Township 10 South, Range 21 East, Uintah County, Utah.

This designation of agent does not relieve the Unit Operator of responsibility for compliance with the terms of the unit agreement. It is also understood that this designation of agent does not constitute an assignment of any interest under the unit agreement or any lease committed thereto.

The designated agent will be responsible for compliance with the Oil and Gas Operating Regulations as they relate to the drilling, testing, and completing of unit well No. 307-6E. In accordance with 3104.2, bonding shall be provided by Enron Oil & Gas Company, Bond No. 74532.

This designation of agent is deemed to be temporary and in no manner a permanent arrangement.

This designation is given only to enable the agent herein designated to drill the above specified unit well. Unless sooner terminated, this designation shall terminate when there is filed in the appropriate district office of the Bureau of Land Management a completed file of all required Federal reports pertaining to subject well. At which time the Unit Operator shall assume all liability of the well and bonding shall be provided by the Unit Operator or as otherwise arranged by the unit agreement. It is also understood that this designation of agent is limited to field operations and does not cover administrative actions requiring specific authorization of the Unit Operator.

APPROVED EFFECTIVE APR 28 1991

*[Signature]*  
CHIEF, BRANCH OF FLUID MINERALS  
BUREAU OF LAND MANAGEMENT

COASTAL OIL & GAS CORPORATION, Unit Operator

By: *[Signature]*  
Robert E. Holman, Jr.  
Vice President

Date: April 15, 1991

8586T

— OPERATOR —

10-20-02 08:25

From-EOG RESOURCES INC.

3038245401

T-060

P.001/001

F-882

DESIGNATION OF AGENT

Robert A. Henricks  
Chief, Branch of Fluid Minerals

The undersigned is, on the records of the Bureau of Land Management Unit Operator under the Natural Buttes Unit Agreement, Uintah County, Utah, No. 14-08-00018900 approved January 5, 1968, and hereby designates:

NAME: Enron Oil & Gas Company

ADDRESS: P.O. Box 1815  
Vernal, Utah 84078

as its agent, with full authority to act in its behalf in complying with the terms of the unit agreement and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Oil and Gas Operating Regulations with respect to drilling, testing, and completing unit well No. 307-6E, the NW/4SE/4 of Section 6, Township 10 South, Range 21 East, Uintah County, Utah.

This designation of agent does not relieve the Unit Operator of responsibility for compliance with the terms of the unit agreement. It is also understood that this designation of agent does not constitute an assignment of any interest under the unit agreement or any lease committed thereto.

The designated agent will be responsible for compliance with the Oil and Gas Operating Regulations as they relate to the drilling, testing, and completing of unit well No. 307-6E. In accordance with 3104.2, bonding shall be provided by Enron Oil & Gas Company, Bond No. 74532.

This designation of agent is deemed to be temporary and in no manner a permanent arrangement.

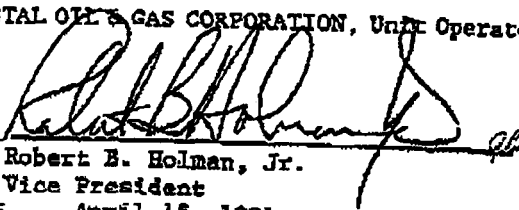
This designation is given only to enable the agent herein designated to drill the above specified unit well. Unless sooner terminated, this designation shall terminate when there is filed in the appropriate district office of the Bureau of Land Management a completed file of all required Federal reports pertaining to subject well. At which time the Unit Operator shall assume all liability of the well and bonding shall be provided by the Unit Operator or as otherwise arranged by the unit agreement. It is also understood that this designation of agent is limited to field operations and does not cover administrative actions requiring specific authorization of the Unit Operator.

APPROVED EFFECTIVE APR 28 1991

CHIEF, BRANCH OF FLUID MINERALS  
BUREAU OF LAND MANAGEMENT

8586T

COASTAL OIL &amp; GAS CORPORATION, Unit Operator

By:   
Robert B. Holman, Jr.  
Vice President

Date: April 15, 1991

—OPERATOR—

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

5. Lease Serial No.  
U 01791

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

7. If Unit or CA/Agreement, Name and/or No.  
NATURAL BUTTE

8. Well Name and No.  
NATURAL BUTTE UNIT 307-6E

9. API Well No.  
43-047-32014

10. Field and Pool, or Exploratory  
NATURAL BUTTE/WASATCH

11. County or Parish, and State  
UINTAH COUNTY, UT

1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
EOG RESOURCES, INC.

Contact: KATY CARLSON  
E-Mail: Kathleen\_Carlson@EOGResources.com

3a. Address  
P.O. BOX 250  
BIG PINEY, WY 83113

3b. Phone No. (include area code)  
Ph: 307.276.4842

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 6 T10S R21E NWSW 1979FSL 2000FEL

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

EOG Resources, Inc. re-completed additional intervals in the Wasatch formation as follows:

1. Perforated Buck Canyon from 5609-12', 5618-19', 5901-06' & 6083-87' and Chapita Wells from 5652-56', 5664-68' & 5800-02'.
2. Fracture stimulated w/16,255 gals gelled water & 42,000# 20/40 sand.
3. Placed well on production 7/24/2002.

**RECEIVED**

NOV 14 2002

DIVISION OF  
OIL, GAS AND MINING

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #12727 verified by the BLM Well Information System  
For EOG RESOURCES, INC., will be sent to the Vernal

Name (Printed/Typed) KATY CARLSON

Title REGULATORY ANALYST

Signature

(Electronic Submission)

*Katy Carlson*

Date 11/12/2002

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*\* DRAFT \*\* DRAFT \*\* DRAFT \*\* DRAFT \*\* DRAFT \*\* DRAFT \*\* DRAFT \*\***

# memorandum

Branch of Real Estate Services  
Uintah & Ouray Agency

Date: 5 December, 2002

Reply to  
Attn of: Supervisory Petroleum Engineer

Subject: Modification of Utah Division of Oil, Gas and Mining Regulations

To: Director, Utah Division of Oil, Gas and Mining Division: John Baza

We have been advised of changes occurring with the operation of your database for Change of Operator. You will be modifying your records to reflect Change of Operator once you have received all necessary documentation from the companies involved, and perhaps in advance of our Notice of Concurrence/Approval of Change of Operator where Indian leases are involved.

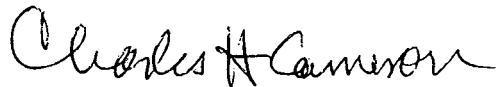
We have no objection.

With further comment to Rulemaking, I wish to comment concerning the provision of Exhibits for upcoming Hearings. I would like to see the Uintah & Ouray Agency, BIA, and the Ute Indian Tribe, Energy & Mineral Resources Department added to the list of those parties that receive advance Exhibits so as to allow us to have research time prior to Hearing dates. We will be able to provide a more informed recommendation to the Oil, Gas and Mining Board. It would be best if we would receive only those Exhibits that concern Indian lands, specifically on or adjacent to Indian lands. This may be a difficult situation to attain, as it is not always clear where 'on or adjacent' occurs.

I am aware that you have gone to extra effort to correct this matter already, and I fully appreciate it. My request is intended only to allow the addition of Uintah & Ouray Agency and Ute Indian Tribe to the official listing.

We appreciate your concern, and hope that these comments are timely enough for consideration in the revision process.

CC: Minerals & Mining Section of RES  
Ute Energy & Mineral Resources Department: Executive Director  
chrono





# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, Utah 84114-5801  
(801) 538-5340 telephone  
(801) 359-3940 fax  
(801) 538-7223 TTY  
[www.nr.utah.gov](http://www.nr.utah.gov)

Michael O. Leavitt  
Governor

Robert L. Morgan  
Executive Director

Lowell P. Braxton  
Division Director

January 13, 2003

Jim Schaefer  
EOG Resources, Inc  
Box 250  
Big Piney, WY 83113

Re: Designation of Workover or Recompletion, Form 15 - NBU 307-6E; API # 43-047-32014

Dear Jim:

I received your request for Designation of Workover or Recompletion for the above referenced well on October 7, 2002. The Division of Oil, Gas & Mining's (DOGM) records show El Paso Oil & Gas Company (El Paso) as the operator of the NBU 307-6E well. Until such time that the proper documentation is submitted to DOGM from El Paso and EOG Resources, Inc. (EOG) showing EOG as the operator or the agent for El Paso of said well, I cannot process your request.

In response to my concerns, Tony Martinez of your company sent in a Designation of Agent showing Enron Oil & Gas Company (now known as EOG Resources, Inc.) as agent, dated April 25, 1991 between Coastal Oil & Gas Corporation (now known as El Paso Oil & Gas Company) and Bureau of Land Management (BLM). This designation of agent "is deemed to be temporary and in no manner a permanent arrangement. This designation is given only to enable the agent ... to drill the above specified unit well. ... At which time the Unit Operator shall assume all liability ...." BLM acknowledges El Paso as the operator of the Natural Buttes Unit.

I will be happy to continue processing your request when I receive the information requested. Please contact me at (801) 538-5281 if you require further information regarding this matter.

Sincerely,

Dustin Doucet  
Petroleum Engineer

er

cc: John Baza  
Operator and well files

5-19-04  
CHD

**R649-8-15. Form 13-B, Monthly Report of Gas Processing Plant Product Allocations.**

1. Gas processing plant operators that are required by contractual arrangements to allocate residue gas and extracted liquids to the individual producing wells must complete and submit this form monthly in accordance with R649-6-1.

2. The report is to be filed as an attachment to Form 13-A, Monthly Summary Report of Gas Processing Plant Operations on or before the fifteenth day of the second calendar month following the operations month covered by the report.

**R649-8-16. Form 14, Monthly Report of Waste Crude Oil Treatment Facility Operations.**

1. Each operator of treatment or reclaiming facilities handling tank bottoms, oil from pits or ponds, or any other waste crude oil, shall complete and submit this report monthly in accordance with R649-6-2 to account for stocks, receipts, and deliveries of processed and unprocessed waste crude oil.

2. The report is due on or before the fifteenth day of the second calendar month following the operations month covered by the report.

**R649-8-17. Form 15, Designation of Workover or Recompletion.**

1. In accordance with Rule R649-3-23, each operator desiring to claim a tax credit for workover or recompletion work performed must submit this report within 90 days after the workover or recompletion work is completed. Upon determination and notification by the division that the described work qualifies for a tax credit under this rule, the operator may claim the tax credit on reports submitted to the Tax Commission during the third quarter after completion of the work.

2. The following workover and recompletion operations qualify for a tax credit: perforating, stimulation (e.g., acid jobs, frac jobs, solvent treatments, nitrogen cleanouts), sand control, water control or shut-off, wellbore cleanout, casing or liner repair, well deepening, initiation of enhanced recovery (excluding surface equipment and associated costs), change of lift system (excluding surface equipment and associated costs), gas well tubing changes (i.e., down-sizing), thief zone identification and elimination. The following workover and recompletion operations do not qualify for a tax credit: pump changes, rod string fishing and repair/replacement, tubing repair/replacement, surface equipment installation and repair,

operations generally classified as routine maintenance or repair. Division approval is conditional subject to audit, and actual final expenses may be disallowed if they are not appropriate workover or recompletion expenses.

**R649-8-18. UIC Form 1, Application for Injection Well.**

Prior to the commencement of operations for injecting any fluid into a well for the purpose of enhanced recovery, disposal, or storage, the operator shall submit an Application for Injection Well and obtain division approval in accordance with R649-5-2.

**R649-8-19. UIC Form 2, Monthly Report of Enhanced Recovery Project.**

1. The operator shall submit this report monthly to report the injection pressure, rate, and volume for each enhanced recovery injection well or project.

2. The report is due within 30 days following the end of the month of operations.

**R649-8-20. UIC Form 3, Monthly Injection Report.**

1. The operator shall submit this report monthly to report the daily injection pressure, rate, and volume for each disposal well and/or storage well.

2. The report is due within 30 days following the end of the month of operations.

**R649-8-21. UIC Form 4, Annual Fluid Injection Report.**

1. The operator of disposal wells, storage wells, or enhanced recovery projects shall file an annual report with the division using this form.

2. The report is due within 60 days following the end of the year.

**R649-8-22. UIC Form 5, Transfer of Authority to Inject.**

1. The authority to inject for any injection well shall not be transferred from one operator to another without the approval of the division. The transfer of authority to inject for any injection well from one operator to another shall be submitted to the division on this form prior to the date of the proposed transfer.

2. The division shall, within 30 days after receipt of a properly completed form, return a copy of the form to each



**R649-3-22. Completion Into Two Or More Pools.**

1. The completion of a single well into more than one pool may be permitted by submitting an application to the division and securing its approval. The application shall be submitted on Form 9, Sundry Notice and Report and shall be accompanied by an exhibit showing the location of all wells on contiguous oil and gas leases or drilling units overlying the pool. The application shall set forth all material facts involved and the manner and method of completion proposed.

2. If oil or gas is to be produced from two or more pools open to each other through the same string of casing so that commingling will take place, the application must also be accompanied by a description of the method used to account for and to allocate production from each pool so commingled.

3. The application shall include an affidavit showing that the operator has provided a copy of the application to the owners of all contiguous oil and gas leases or drilling units overlying the pool. If none of these owners file a written objection to the application within 15 days after the date the application is filed with the division, the application may be considered and approved by the division without a hearing. If a written objection is filed that cannot be resolved administratively, the application may be approved only after notice and hearing by the board.

**R649-3-23. Well Workover and Recompletion.**

1. Requests for approval of a notice of intention to perform a workover or recompletion shall be filed by an operator with the division on Form 9, Sundry Notices and Reports on Wells, or if the operation includes substantial redrilling, deepening, or plugging back of an existing well, on Form 3, Application for Permit to Drill, Deepen or Plug Back.

2. The division shall review the proposed workover or recompletion for conformance with the Oil and Gas Conservation General Rules and advise the operator of its decision and any necessary conditions of approval.

3. Recompletions shall be conducted in a manner to protect the original completion interval(s) and any other known productive intervals.

4. The same tests and reports are required for any well recompletion as are required following an original well completion.

5. The applicant shall file a subsequent report of workover on Form 9, Sundry Notices and Reports, or a subsequent report of recompletion on Form 8, Well Completion or Recompletion Report and Log, within 30 days after completing the workover or recompletion operations.

6. For the purpose of qualifying for a tax credit under Utah Code Ann. Section 59-5-102(3), the operator on his behalf and on behalf of each working interest owner must file a request with the division on Form 15, Designation of Workover or Recompletion. The request must be filed within 90 days after completing the workover or recompletion operations.

7. A workover which may qualify under Utah Code Ann. Section 59-5-102(3) shall be downhole operations conducted to maintain, restore or increase the producibility or serviceability of a well in the geologic interval(s) that the well is currently completed in, but shall not include:

7.1. Routine maintenance operations such as pump changes, artificial lift equipment or tubing repair, or other operations which do not involve changes to the wellbore configuration or the geologic interval(s) that it penetrates and which do not stimulate production beyond that which would be anticipated as the result of routine maintenance.

7.2. Operations to convert any well for use as a disposal well or other use not associated with enhancing the recovery of hydrocarbons. Operations to convert a well to a Class II injection well for enhanced recovery purposes may qualify if the secondary or enhanced recovery project has received the necessary board approval.

8. A recompletion which may qualify under Utah Code Ann. Section 59-5-102(3) shall be downhole operations conducted to reestablish producibility or serviceability of a well in any geologic interval(s).

9. The division shall review the request for designation of a workover or recompletion and advise the operator and the State Tax Commission of its decision to approve or deny the operations for the purposes of Utah Code Ann. Section 59-5-102(3).

10. The division is responsible for approval of workover and recompletion operations which qualify for the tax credit. If the operator disagrees with the decision of the division, the decision may be appealed to the board. Appeals of all other workover and recompletion tax credit decisions should be made to the State Tax Commission.

JAN. 17. 2003 3:34PM

WESTPORT

NO. 173

P. 2

**WESTPORT OIL AND GAS COMPANY, L.P.**

410 Seventeenth Street #2300 Denver Colorado 80202-4436  
Telephone: 303 573 5404 Fax: 303 573 5609

February 1, 2002

Department of the Interior  
Bureau of Land Management  
2850 Youngfield Street  
Lakewood, CO 80215-7093  
Attention: Ms. Martha Maxwell

RE: BLM Bond CO-1203  
BLM Nationwide Bond 158626364  
Surety - Continental Casualty Company  
Belco Energy Corporation merger into Westport Oil and Gas Company, Inc.  
Conversion of Westport Oil and Gas Company, Inc., into Westport Oil and Gas Company, L.P.  
Assumption Rider - Westport Oil and Gas Company, L.P.

Dear Ms. Maxwell:

Pursuant to our recent conversations, please find the following list of enclosures for the BLM's consideration and approval:

Two (2) Assumption Riders, fully executed originals.  
Copies of Belco Energy Corporation merger into Westport Oil and Gas Company, Inc.  
Copies of Westport Oil and Gas Company, Inc., conversion into Westport Oil and Gas Company, L.P.  
List of all Federal/BIA/State Leases - Belco/Westport's leases - in all states.

Please inform us of any additional information needed to complete the change to Westport Oil and Gas Company, L.P., as operator of record.

I thank you for your assistance and cooperation in this matter. Please do not hesitate contacting the undersigned, should a question arise.

Sincerely,  
Westport Oil and Gas Company, L.P.

Debby J. Black  
Engineer Technician

Encl:

**United States Department of the Interior****BUREAU OF INDIAN AFFAIRS**

Washington, D.C. 20240

**FEB 10 2003**IN REPLY REFER TO:  
**Real Estate Services**

**Carroll A. Wilson**  
Principal Landman  
Westport Oil and Gas Company, L.P.  
1368 South 1200 East  
Vernal, Utah 84078

**Dear Mr. Wilson:**

This is in response to your request for approval of RLI Insurance Company's Nationwide Oil and Gas Lease Bond No. RLB0005239 executed effective December 17, 2002, (\$150,000 coverage) with Westport Oil and Gas Company, L. P., as principal.

This bond is hereby approved as of the date of this correspondence and will be retained in the Bureau of Indian Affairs' Division of Real Estate Services, 1849 C Street, NW, MS-4512-MIB, Washington, D.C. 20240. All Bureau oil and gas regional offices and the surety are being informed of this action.

In cases where you have existing individual and/or collective bonds on file with one or more of our regional offices, you may now request those offices, directly, to terminate in lieu of coverage under this Nationwide Bond.

Enclosed is a copy of the approved bond for your files. If we may be of further assistance in this matter, please advise.

**Sincerely,****Director, Office of Trust Responsibilities****ACTING****Enclosure**



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155

IN REPLY REFER TO  
UT-922

February 27, 2003

Westport Oil and Gas Company, L.P.  
Attn: Gary D. Williamson  
1670 Broadway, Suite 2800  
Denver, Colorado 80202

Re: Natural Buttes Unit  
Uintah County, Utah

Gentlemen:

On February 27, 2003, we received an indenture dated December 17, 2002, whereby El Paso Production Oil & Gas Company resigned as Unit Operator and Westport Oil and Gas Company, L.P., was designated as Successor Unit Operator for the Natural Buttes Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective February 27, 2003. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Natural Buttes Unit Agreement.

Your nationwide (Colorado) oil and gas bond No. 1203 will be used to cover all operations within the Natural Buttes Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks  
Chief, Branch of Fluid Minerals

Enclosure

bcc: Field Manager - Vernal (w/enclosure)  
SITLA  
Division of Oil, Gas & Mining  
Minerals Adjudication Group  
File - Natural Buttes Unit (w/enclosure)  
Agr. Sec. Chron  
Fluid Chron

UT922:TAThompson:tt:02/27/2003

RECEIVED

FEB 28 2003

DIV. OF OIL, GAS & MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER:
2. NAME OF OPERATOR: El Paso Production Oil & Gas Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 9 Greenway Plaza CITY Houston STATE TX ZIP 77064-0995		7. UNIT or CA AGREEMENT NAME:
PHONE NUMBER: (832) 676-5933		8. WELL NAME and NUMBER: Exhibit "A"
4. LOCATION OF WELL FOOTAGES AT SURFACE:  QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		9. API NUMBER:  10. FIELD AND POOL, OR WILDCAT:  COUNTY:  STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input checked="" type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input type="checkbox"/> OTHER: _____
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____			

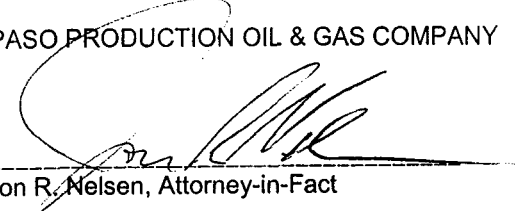
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Operator change to Westport Oil and Gas Company, L.P., 1670 Broadway, Suite 2800, Denver, CO. 80202-4800, effective December 17, 2002.

BOND # \_\_\_\_\_

State Surety Bond No. RLB0005236  
Fee Bond No. RLB0005238

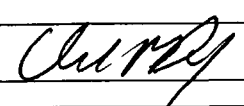
EL PASO PRODUCTION OIL & GAS COMPANY

By:   
Jon R. Nelsen, Attorney-in-Fact

RECEIVED

FEB 28 2003

DIV. OF OIL, GAS & MINING

WESTPORT OIL AND GAS COMPANY, L.P.	
NAME (PLEASE PRINT) David R. Dix	TITLE Agent and Attorney-in-Fact
SIGNATURE 	DATE 12/17/02

(This space for State use only)

Form 3160-5  
(August 1999)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

5. Lease Serial No.

SEE ATTACHED EXHIBIT "A"

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

SEE ATTACHED EXHIBIT "A"

9. API Well No.

SEE ATTACHED EXHIBIT "A"

10. Field and Pool, or Exploratory Area

11. County or Parish, State

UINTAH COUNTY, UT

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

WESTPORT OIL &amp; GAS COMPANY, L.P.

3a. Address

P.O. BOX 1148 VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7023

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SEE ATTACHED EXHIBIT "A"

## 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

## TYPE OF SUBMISSION

- ☐
- Notice of Intent
- 
- ☐
- Subsequent Report
- 
- ☐
- Final Abandonment Notice

## TYPE OF ACTION

- |   |   |  |   |
|---|---|--|---|
| <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen           | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off   |
| <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Fracture Treat   | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity   |
| <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete                | <input checked="" type="checkbox"/> Other |
| <input type="checkbox"/> Change Plans         | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon       | SUCCESSOR OF                              |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back        | <input type="checkbox"/> Water Disposal            | OPERATOR                                  |

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zc Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator determined that the site is ready for final inspection.

WESTPORT OIL & GAS COMPANY, L.P., IS CONSIDERED TO BE THE OPERATOR ON THE ATTACHED DESCRIBED LANDS AND IS RESPONSIBLE UNDER THE TERMS AND CONDITIONS OF THE LEASE FOR THE OPERATIONS CONDUCTED ON THE LEASED LANDS OR PORTIONS THEREOF, BOND COVERAGE FOR THIS WELL IS PROVIDED BY FEDERAL NATIONWIDE BOND NO. 158626364, EFFECTIVE FEBRUARY 1, 2002, AND BIA NATIONWIDE BOND NO. RLB0005239, EFFECTIVE FEBRUARY 10, 2003.

RECEIVED

MAR 04 2003

DIV. OF OIL, GAS &amp; MINING

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

CHERYL CAMERON

Title

OPERATIONS

Date

March 4, 2003

Approved by

THIS SPACE FOR FEDERAL OR STATE USE

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

## OPERATOR CHANGE WORKSHEET

## ROUTING

1. GLH

2. CDW ✓

3. FILE

## X Change of Operator (Well Sold)

Designation of Agent/Operator

Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective: 12-17-02

<b>FROM: (Old Operator):</b>	<b>TO: (New Operator):</b>
EL PASO PRODUCTION OIL & GAS COMPANY	WESTPORT OIL & GAS COMPANY LP
Address: 9 GREENWAY PLAZA	Address: P O BOX 1148
HOUSTON, TX 77064-0995	VERNAL, UT 84078
Phone: 1-(832)-676-5933	Phone: 1-(435)-781-7023
Account No. N1845	Account No. N2115

CA No.

Unit: NATURAL BUTTES

## WELL(S)

NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
NBU CIGE 38-4-10-21	04-10S-21E	43-047-30495	2900	FEDERAL	GW	P
NBU CIGE 81D-4-10-21	04-10S-21E	43-047-30854	2900	STATE	GW	S
NBU 390-4E	04-10S-21E	43-047-32835	2900	FEDERAL	GW	P
NBU 345-4E	04-10S-21E	43-047-34700	99999	FEDERAL	GW	APD
NBU 29-5B	05-10S-21E	43-047-30368	2900	FEDERAL	GW	P
COG NBU 102	05-10S-21E	43-047-31757	2900	FEDERAL	GW	P
NBU 114	05-10S-21E	43-047-31923	2900	FEDERAL	GW	S
NBU 391-5E	05-10S-21E	43-047-32988	2900	FEDERAL	GW	P
NBU 16-6B	06-10S-21E	43-047-30316	2900	FEDERAL	GW	P
NBU CIGE 30-6-10-21	06-10S-21E	43-047-30498	2900	FEDERAL	GW	P
CIGE 137-6-10-21	06-10S-21E	43-047-31988	2900	FEDERAL	GW	P
NBU 307-6E	06-10S-21E	43-047-32014	2900	FEDERAL	GW	P
CIGE 138-6-10-21	06-10S-21E	43-047-31987	2900	FEDERAL	GW	PA
CIGE 138A-6-10-21	06-10S-21E	43-047-32049	2900	FEDERAL	GW	P
CIGE 159-6-10-21	06-10S-21E	43-047-32120	2900	FEDERAL	GW	S
CIGE 259	06-10S-21E	43-047-34367	2900	FEDERAL	GW	S
CIGE 260	06-10S-21E	43-047-34368	2900	FEDERAL	GW	P
CIGE 392-6E	06-10S-21E	43-047-33783	2900	FEDERAL	GW	S
CIGE 261	07-10S-21E	43-047-34369	2900	FEDERAL	GW	P
CIGE 262	07-10S-21E	43-047-34370	2900	FEDERAL	GW	P

## OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 02/28/2003
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 03/04/2003
3. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 03/06/2003
4. Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181
5. If **NO**, the operator was contacted on: \_\_\_\_\_



6. (R649-9-2)Waste Management Plan has been received on: IN PLACE

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM-12/31/2003 BIA-12/5/02

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: 02/27/2003

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: N/A

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 03/19/2003
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 03/19/2003
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

**STATE WELL(S) BOND VERIFICATION:**

1. State well(s) covered by Bond Number: RLB 0005236

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: 158626364

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: RLB 0005239

**FEE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number RLB 0005238
2. The **FORMER** operator has requested a release of liability from their bond on: N/A  
The Division sent response by letter on: N/A

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

**COMMENTS:**



105 215 06  
1304732014

WESTPORT OIL AND GAS COMPANY, L.P.

1670 Broadway Suite 2800 Denver Colorado 80202  
Telephone: 303 573 5404 Fax: 303 573 5609

September 18, 2003

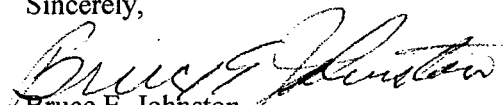
Mr. Dustin Doucet  
Utah Division of Oil, Gas and Mining  
P.O. Box 145801  
Salt Lake City, UT 84114-6100

Re: Natural Buttes Unit  
Uintah County, Utah

Dear Mr. Doucet:

Westport Oil and Gas Company, L.P. recently acquired the Natural Buttes Unit from El Paso Production Company and assumed operation of the unit. Westport is aware that EOG Resources, Inc. continues to operate a number of wells within the unit under the provisions of the unit agreements and agreements entered into many years ago by the predecessors of Westport and EOG. In response to your inquiry, I have attached a list of the wells within the Natural Buttes Unit that EOG Resources, Inc. operates as Designation of Agent.

Sincerely,

  
Bruce E. Johnston  
Land Manager  
BEJ/168

SEP 22 2003

WellUserID	WellName	APICode	EOG Name
UT0020.441	NBU 1-7B	4304730261	NBU 1-07B
UT0020.08	NBU 2-15B	4304730262	NBU 2-15B
UT0020.526	NBU 3-2B	4304730267	NBU 3-02B
UT0020.345	NBU 4-35B	4304730273	NBU 4-35B
UT0020.355	NBU 5-36B	4304730272	NBU 5-36B
UT0020.461	NBU 7-9B	4304730278	NBU 7-09B
UT0020.666	NBU 8-20B	4304730275	NBU 8-20B
UT0020.280	NBU 10-29B	4304730274	NBU 10-29B
UT0020.448	NBU 13-8B	4304730294	NBU 13-08B
UT0020.221	NBU 15-29B	4304730296	NBU 15-29B
UT0020.432	NBU 16-6B	4304730316	NBU 16-06B
UT0020.634	NBU 17-18B	4304730317	NBU 17-18B
UT0020.09	NBU 19-21B	4304730328	NBU 19-21B
UT0020.130	NBU 25-20B	4304730363	NBU 25-20B
UT0020.633	NBU 20-01B	4304730319	
UT0020.378	NBU 26-13B	4304730364	NBU 26-13B
UT0020.418	NBU 28-4B	4304730367	NBU 28-04B
UT0020.421	NBU 29-5B	4304730368	NBU 29-05B
UT0020.116	NBU 30-18B	4304730380	NBU 30-18
UT0020.612	NBU 31-12B BC	4304730385	NBU 31-12B BC
UT0020.670	NBU 31-12B ISL	4304730385	NBU 31-12B ISL
UT0020.258	NBU 33-17B	4304730396	NBU 33-17B
UT0020.37	NBU 34-17B	4304730404	NBU 34-17B
UT0020.39	NBU 35-8B	4304730397	NBU 35-08B
UT0020.667	NBU 36-7B	4304730399	NBU 36-07B
UT0020.668	NBU 48-29B	4304730452	NBU 48-29B
UT0020.02	NBU 49-12B	4304730470	NBU 49-12B
UT0020.17	NBU 52-1B	4304730473	NBU 52-01B
UT0020.26	NBU 53-3B	4304730474	NBU 53-03B
UT0020.20	NBU 54-2B	4304730475	NBU 54-02B
UT0020.70	NBU 57-12B	4304730464	NBU 57-12B
UT0020.619	NBU 58-23B	4304730463	NBU 58-23B
UT0020.688	NBU 62-35B	4304730477	NBU 62-35B
UT0020.366	NBU 63-12B	4304730466	NBU 63-12B
UT0020.689	NBU 70-34B	4304730577	NBU 70-34B TA
UT0020.387	NBU 71-26B	4304730578	NBU 71-26B
UT0020.22	NBU 202-3J	4304731150	NBU 202-03
UT0020.449	NBU 205-8 (FED)	4304731238	NBU 205-08
UT0020.458	NBU 206-9J	4304731165	NBU 206-09
UT0020.417	NBU 207-4J	4304731177	NBU 207-04
UT0020.160	NBU 210-24J	4304731153	NBU 210-24
UT0020.271	NBU 211-20	4304731156	NBU 211-20
UT0020.260	NBU 212-19J	4304731267	NBU 212-19
UT0020.352	NBU 213-36J	4304731268	NBU 213-36
UT0020.525	NBU 217-2	4304731282	NBU 217-02
UT0020.503	NBU 218-17V	4304731310	NBU 218-17
UT0020.161	NBU 219-24V	4304731308	NBU 219-24
UT0020.162	NBU 301-24E	4304732131	NBU 301-24E
UT0020.459	NBU 302-9E	4304732010	NBU 302-9E
UT0020.117	NBU 304-18E	4304732130	NBU 304-18E
UT0020.34	NBU 305-7E	4304732135	NBU 305-07E

UT0020.118	NBU 306-18E	4304732282	NBU 306-18E
UT0020.433	NBU 307-6E	4304732014	NBU 307-6E
UT0020.269	NBU 308-20E	4304732202	NBU 308-20E
UT0020.132	NBU 309-20E	4304732283	NBU 309-20E
UT0020.153	NBU 311-23E	4304732203	NBU 311-23E
UT0020.222	NBU 313-29E	4304732378	NBU 313-29E
UT0020.23	NBU 314-3E	4304732271	NBU 314-03E
UT0020.108	NBU 316-17E	4304732381	NBU 316-17E
UT0020.01	NBU 317-12E	4304732362	NBU 317-12E
UT0020.353	NBU 318-36E	4304732204	NBU 318-36E
UT0020.54	NBU 321-10E	4304732379	NBU 321-10E
UT0020.642	NBU 322-15E	4304733139	NBU 322-15E
UT0020.38	NBU 325-8E	4304732376	NBU 325-8E
UT0020.420	NBU 326-4E	4304733697	NBU 326-04E
UT0020.379	NBU 328-13E	4304732386	NBU 328-13E
UT0020.281	NBU 329-29E	4304732229	NBU 329-29E
UT0020.343	NBU 331-35E	4304732147	NBU 331-35E
UT0020.450	NBU 332-8E	4304732148	NBU 332-08E
UT0020.18	NBU 333-2E	4304732518	NBU 333-2E
UT0020.154	NBU 335-23E	4304732265	NBU 335-23E
UT0020.163	NBU 336-24E	4304732264	NBU 336-24E
UT0020.261	NBU 339-19E	4304732281	NBU 339-19E
UT0020.270	NBU 340-20E	4304732327	NBU 340-20E
UT0020.282	NBU 341-29E	4304733055	NBU 341-29E
UT0020.344	NBU 342-35E	4304732212	NBU 342-35E
UT0020.354	NBU 343-36E	4304732205	NBU 343-36E
UT0020.35	NBU 349-7E	4304732326	NBU 349-07E
UT0020.55	NBU 352-10E	4304732519	NBU 352-10E
UT0020.223	NBU 356-29E	4304732383	NBU 356-29E
UT0020.361	NBU 358-1E	4304732388	NBU 358-1E
UT0020.380	NBU 360-13E	4304732387	NBU 360-13E
UT0020.709	NBU 376-05E	4304734214	NBU 376-05E
UT0020.19	NBU 379-02E	4304733782	NBU 379-02E
UT0020.119	NBU 382-18E	4304733064	NBU 382-18E
UT0020.164	NBU 386-24E	4304733056	NBU 386-24E
UT0020.262	NBU 388-19E	4304733057	NBU 388-19E
UT0020.283	NBU 389-29E	4304733049	NBU 389-29E
UT0020.419	NBU 390-04E	4304732835	NBU 390-4E
UT0020.422	NBU 391-5E	4304732988	NBU 391-05E
UT0020.434	NBU 392-6E	4304733783	NBU 392-06E
UT0020.381	NBU 393-13E	4304733071	NBU 393-13E
UT0020.382	NBU 394-13E	4304733072	NBU 394-13E
UT0020.63	NBU 400-11E	4304732544	NBU 400-11E
UT0020.703	NBU 421-29E	4304734216	NBU 421-29E
UT0020.224	NBU 422-29E	4304733698	NBU 422-29E
UT0020.706	NBU 423-30E	4304734206	NBU 423-30E
UT0020.235	NBU 424-32E	4304733699	NBU 424-32E
UT0020.460	NBU 431-9E	4304733069	NBU 431-09E
UT0020.711	NBU 436-18E	4304734195	NBU 436-18E
UT0020.24	NBU 481-3E	4304733063	NBU 481-03E
UT0020.126	NBU 483-19E	4304733065	NBU 483-19E
UT0020.131	NBU 484-20E	4304733784	NBU 484-20E

UT0020.36	NBU 489-7E	4304733121	NBU 489-07E
UT0020.362	NBU 497-1E	4304733123	NBU 497-1E
UT0020.16	NBU 506-23E	4304733140	NBU 506-23E
UT0020.451	NBU 508-8E	4304733124	NBU 508-8E
UT0020.363	NBU 516-12E	4304733696	NBU 516-12E
UT0020.25	NBU 519-3E	4304733779	NBU 519-03E
UT0020.40	NBU 521-08E	4304733780	NBU 521-08E
UT0020.56	NBU 522-10E	4304733781	NBU 522-10E
UT0020.364	NBU 523-12E	4304733685	NBU 523-12E
UT0020.365	NBU 524-12E	4304733701	NBU 524-12E
UT0020.712	NBU 534-18E	4304734639	NBU 534-18E

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0137  
Expires: March 31, 2007

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

## SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1. Type of Well ☐ Oil Well ☒ Gas Well ☐ Other2. Name of Operator **EOG RESOURCES, INC.**3a. Address  
**P.O. BOX 250 Big Piney WY, 83113**3b. Phone No. (include area code)  
**307-276-3331**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**NWSW 1979 FSL 2000 FEL  
SECTION 6, T10S, R21E 39.97513 LAT 109.59229 LON**5. Lease Serial No.  
**U-01791**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.  
**NATURAL BUTTES**8. Well Name and No.  
**NATURAL BUTTES UNIT 307-06E**9. API Well No.  
**43-047-32014**10. Field and Pool, or Exploratory Area  
**NATURAL BUTTES/WASATCH**11. County or Parish, State  
**UINTAH COUNTY, UT**

## 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

**EOG Resources, Inc. proposes to recomplete the referenced well plugging the Wasatch and opening additional pay in the Green River as per the attached procedure.**

**EOG Resources, Inc. operates under Nationwide Bond #2308**

COPY SENT TO OPERATOR

Date: 10-11-05Initials: CHD14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)**Kaylene R. Gardner**Title **Regulatory Assistant**

Signature

Date

**09/20/2005**

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
Office

Federal Approval Of This  
Action Is Necessary

Date: 9/30/05By: [Signature]

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

\* New Entry Number required for GR production

SEP 22 2005

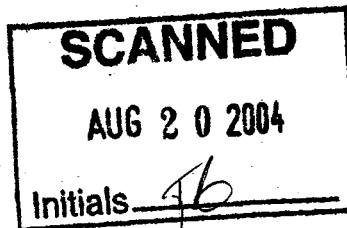
DIV. OF OIL, GAS &amp; MINING

## RECOMPLETE GREEN RIVER and P&A WASATCH PROGRAM

NAUTRAL BUTTES 307-6E  
1979' FSL & 2000' FEL (NW/SE)  
Section 6, T9S, R21E  
Uintah County, Utah

August 9, 2004

API# 43-047-32014



### WELL DATA:

ELEVATION: 4987' GL KB: 5002' (15' KB)  
TOTAL DEPTH: 6491' PBTD: 6219'  
CASING: 9-5/8", 32.3#, H-40 set @ 232' KB. Cemented w/125 sxs Class 'G' to Surface.  
4 1/2", 10 1/2 #, J-55 set @ 6306' KB. Cemented w/200 sxs Hi-Lift, followed by 1000 sxs 50/50 Pozmix. TOC @ 1620'.  
TUBING: 2-3/8", 4.7, J-55  
Landed @ 6085' KB  
PERFORATIONS: Buck Canyon: 6017'-20', 5998'-6012' (2 SPF).  
6083'-87', 5901'-06', 5909'-12', 5916'-18' (3 SPF)  
Chapita Wells: 5555'-66', 5482'-92' (2 SPF)  
5800'-02', 5652'-56', 5664'-68' (3 SPF)  
PROPOSED PERFS: Green River: 4518'-4525', 4392'-4396', 4346'-4352', 4288'-4294' (3 SPF)

### PROCEDURE:

EOG WASATCH WI: 66.6667% EOG WASATCH NRI: 49.39498% AFE # 303104

1. MIRU SU. ND wellhead. NU BOPE. RIH and tag fill. PUH to 6090'.
2. RU Cement Company. Spot 90 sxs of Class 'G' w/2% CaCl<sub>2</sub> from 6087' to 4958'. Braden head squeeze 6 bbls of slurry out the perforations. This will leave the cement top at 5335'. POOH w/tubing.

EOG GREEN RIVER WI: 100% EOG GREEN RIVER NRI: 72.90% AFE# Pending

3. RUWL. Tag the cement top prior to perforate the Green River intervals from 4518'-4525', 4392'-4396', 4346'-4352', & 4288'-4294' using 3 1/8" HSC ported guns, 12-gram charges, 120-degree phasing at 3 SPF. Note any changes in gas or fluid level after perforating.
4. PU RBP and packer. RIH and set the RBP at 4550'. PUH and set the packer at 4460'. Break down the perforations from 4518'-25' using treated water. Note the rate and pressure.

5. Release the packer and drop down hole. Release RBP and PUH. Set the RBP at 4420' and the packer at 4370'. Break down the perforations from 4392'-96' using treated water. Note rate and pressure.
6. Release the packer and drop down hole. Release RBP and PUH. Set the RBP at 4370' and the packer at 4300'. Break down the perforations from 4346'-52' using treated water. Note rate and pressure.
7. Release the packer and drop down hole. Release RBP and PUH. Set the RBP at 4330' and the packer at 4250'. Break down the perforations from 4288'-94' using treated water. Note rate and pressure.
8. Release the packer and drop down hole. Release RBP and RIH. Set the RBP at 4550'. PUH and set the packer at 4250'. Swab the Green River (4288'-4525') for rate and cut. A decision will be made whether further stimulation is required.
9. Release the packer and drop down hole. Release the RBP and POH. Lay down the RBP and packer.
10. PU 1 jt of 2-3/8" tubing and SN. RIH on 2-3/8" tubing to 4530'. Land the tubing and put the well on production. If the Green River is unproductive, discuss with Jim Schaefer on how to proceed.

PREPARED BY: \_\_\_\_\_  
L. L. Arnold, Project Production Engineer

APPROVED BY: \_\_\_\_\_  
J. R. Schaefer, Area Production Manager

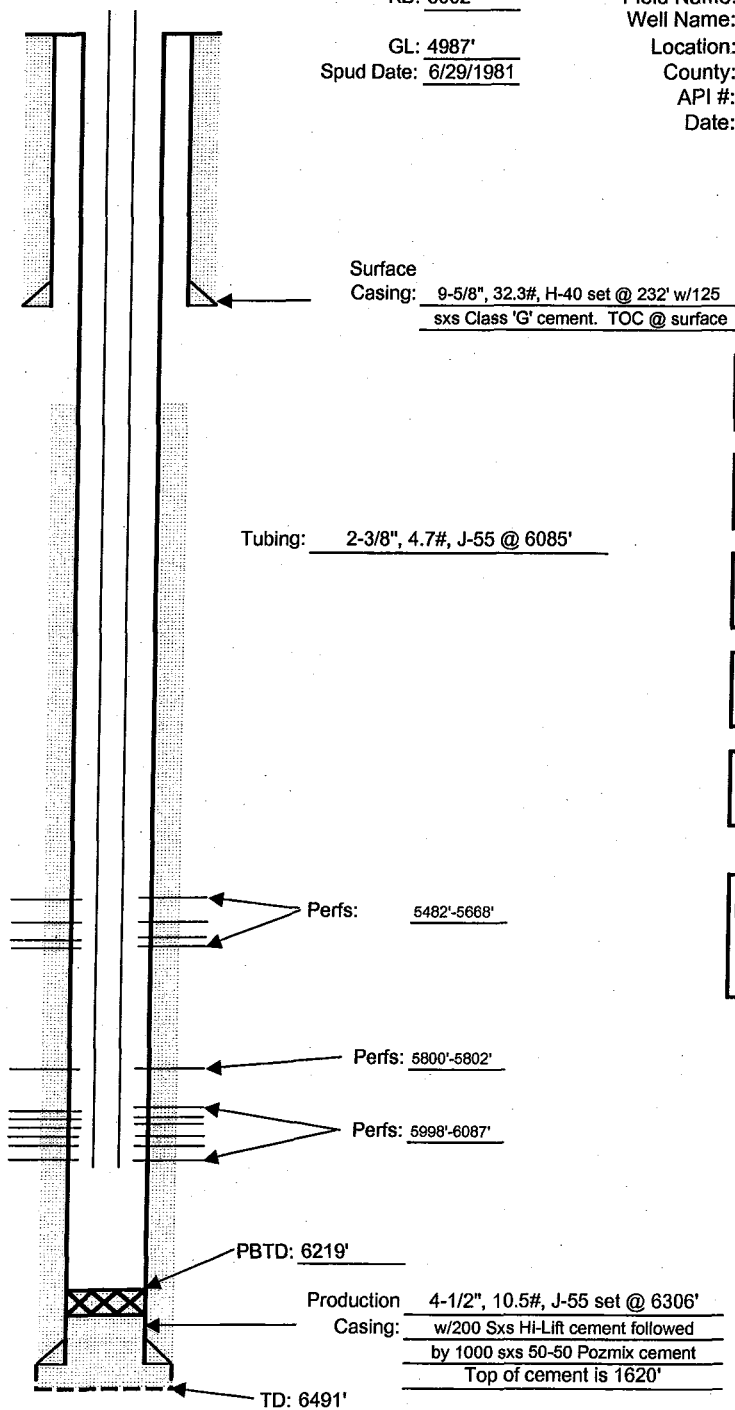
APPROVED BY: \_\_\_\_\_  
C. C. Parsons, Division Operations Manager



# WELLBORE DIAGRAM

KB: 5002'  
GL: 4987'  
Spud Date: 6/29/1981

Operator: EOG Resources, Inc.  
Field Name: Natural Buttes Unit  
Well Name: NBU 307-6E  
Location: 1979' FSL & 2000' FEL (NWSE) Sec. 6, T10S, R21E  
County: Uintah  
API #: 43-047-32014  
Date: 8/3/2004



Formation:	Buck Canyon
Perforations:	5998'-6012', 6017'-6020' (all 2 SPF)
Stimulation:	33,700 lbs 20/40 sd & 35,000 lbs 16/30 RC sd

Formation:	Chapita Wells
Perforations:	5482'-5492', 5555'-5566' (all 2 SPF)
Stimulation:	65,900 lbs 20/40 sd & 68,100 lbs 16/30 RC sd

Formation:	
Perforations:	
Stimulation:	

Formation:	
Perforations:	
Stimulation:	

Formation:	
Perforations:	
Stimulation:	

Workover:

Formation:	Buck Canyon & Chapita Wells
Perforations:	6083'-87', 5901'-06', 5909'-12', 5916'-18' (3 SPF) 5800'-02', 5652'-56', 5664'-68' (3 SPF)
	Isolated 5901'-5918' to Coil Frac
Stimulation:	42,000 lbs 20/40 sd 1-4 ppg

**WELLBORE DIAGRAM PROPOSED**  
**WASATCH P&A**

KB: 5002'

GL: 4987'

Spud Date: 6/29/1981

Operator: EOG Resources, Inc.

Field Name: Natural Buttes Unit

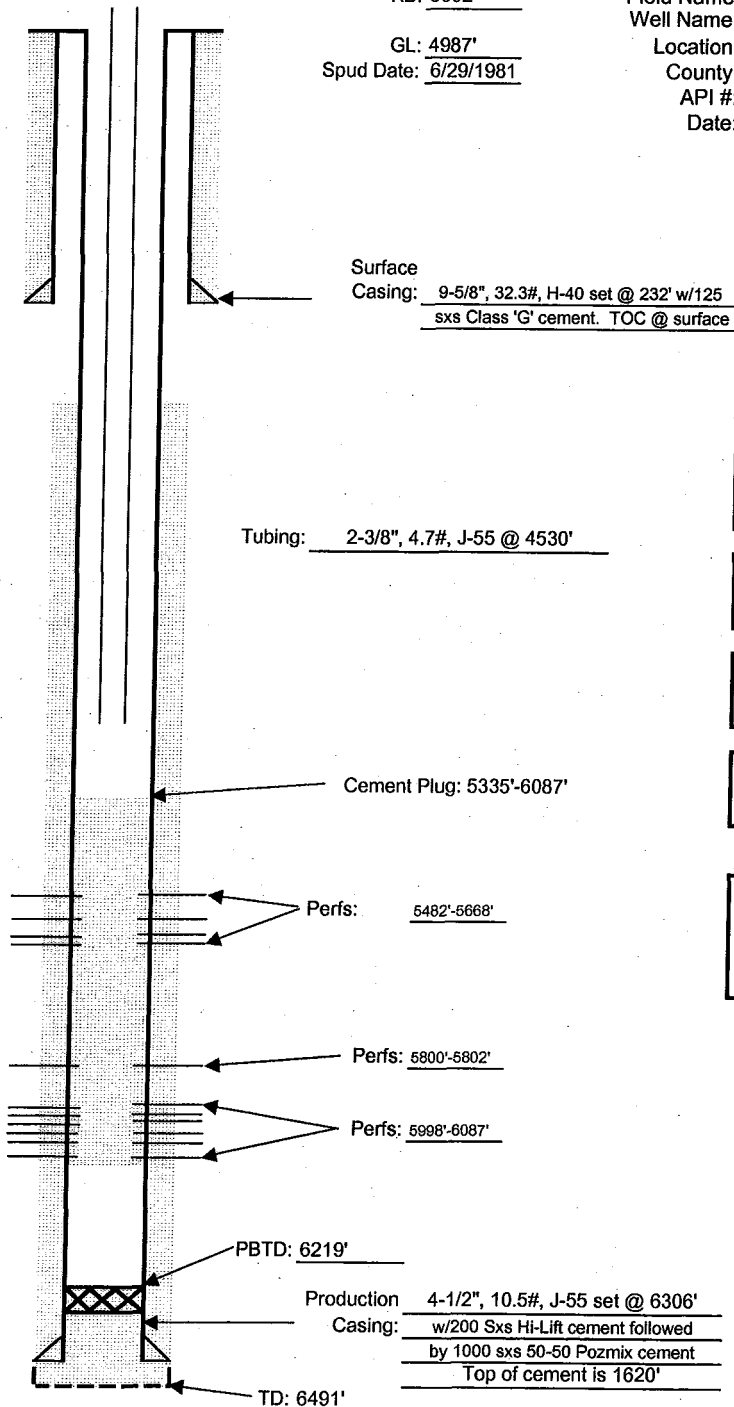
Well Name: NBU 307-6E

Location: 1979' FSL & 2000' FEL (NWSE) Sec. 6, T10S, R21E

County: Uintah

API #: 43-047-32014

Date: 8/3/2004



Formation:	Buck Canyon
Perforations:	5998'-6012', 6017'-6020' (all 2 SPF)
Stimulation:	33,700 lbs 20/40 sd & 35,000 lbs 16/30 RC sd

Formation:	Chapita Wells
Perforations:	5482'-5492', 5555'-5566' (all 2 SPF)
Stimulation:	65,900 lbs 20/40 sd & 68,100 lbs 16/30 RC sd

Formation:	
Perforations:	
Stimulation:	

Formation:	
Perforations:	
Stimulation:	

Formation:	
Perforations:	
Stimulation:	

Workover:	
Formation:	Buck Canyon & Chapita Wells
Perforations:	6083'-87', 5901'-06', 5909'-12', 5916'-18' (3 SPF) 5800'-02', 5652'-56', 5664'-68' (3 SPF) Isolated 5901'-5918' to Coil Frac
Stimulation:	42,000 lbs 20/40 sd 1-4 ppg

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. DJJ  
 2. CDW

**X Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

**1/6/2006**

<b>FROM: (Old Operator):</b> N2115-Westport Oil & Gas Co., LP 1368 South 1200 East Vernal, UT 84078 Phone: 1-(435) 781-7024	<b>TO: ( New Operator):</b> N2995-Kerr-McGee Oil & Gas Onshore, LP 1368 South 1200 East Vernal, UT 84078 Phone: 1-(435) 781-7024
---	--

CA No.		Unit:		NATURAL BUTTES UNIT		
WELL NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 5/10/2006
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 5/10/2006
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 3/7/2006
- 4a. Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181
- 4b. If **NO**, the operator was contacted on: \_\_\_\_\_
- 5a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
- 5b. Inspections of LA PA state/fee well sites complete on: n/a 3 LA wells & all PA wells transferred
- 5c. Reports current for Production/Disposition & Sundries on: ok
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 3/27/2006 BIA not yet
7. **Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: 3/27/2006
8. **Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: \_\_\_\_\_

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 5/15/2006
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 5/15/2006
- Bond information entered in RBDMS on: 5/15/2006
- Fee/State wells attached to bond in RBDMS on: 5/16/2006
- Injection Projects to new operator in RBDMS on: \_\_\_\_\_
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a Name Change Only

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: CO1203
- Indian well(s) covered by Bond Number: RLB0005239
- (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number RLB0005236
- a. The **FORMER** operator has requested a release of liability from their bond on: n/a rider added KMG  
The Division sent response by letter on: \_\_\_\_\_

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 5/16/2006

**COMMENTS:**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

KERR-McGEE OIL & GAS ONSHORE LP

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SEE ATTACHED

5. Lease Serial No.

MULTIPLE LEASES

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

MUTIPLE WELLS

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State

UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other CHANGE OF OPERATOR
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

PLEASE BE ADVISED THAT KERR-McGEE OIL & GAS ONSHORE LP, IS CONSIDERED TO BE THE OPERATOR OF THE ATTACHED WELL LOCATIONS. EFFECTIVE JANUARY 6, 2006. KERR-McGEE OIL & GAS ONSHORE LP, IS RESPONSIBLE UNDER TERMS AND CONDITIONS OF THE LEASE(S) FOR THE OPERATIONS CONDUCTED UPON LEASE LANDS. BOND COVERAGE IS PROVIDED BY STATE OF UTAH NATIONWIDE BOND NO. RLB0005237.

RECEIVED

MAY 10 2006

DIV. OF OIL, GAS & MINING

BLM BOND = C01203

BIA BOND = RLB0005239

APPROVED 5/16/06

Earlene Russell  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

RANDY BAYNE

Title

DRILLING MANAGER

Signature

Date

May 9, 2006

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**

*Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE – Other instructions on reverse side**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

**WESTPORT OIL & GAS COMPANY L.P.**

3a. Address

**1368 SOUTH 1200 EAST VERNAL, UT 84078**

3b. Phone No. (include area code)

**(435) 781-7024**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**SEE ATTACHED**

5. Lease Serial No.

**MULTIPLE LEASES**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

**MUTIPLE WELLS**

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State

**UINTAH COUNTY, UTAH**

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

**TYPE OF SUBMISSION**

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

**TYPE OF ACTION**

- |   |   |  |   |
|---|---|--|---|
| <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen           | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off                             |
| <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Fracture Treat   | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity                             |
| <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete                | <input checked="" type="checkbox"/> Other <b>CHANGE OF OPERATOR</b> |
| <input type="checkbox"/> Change Plans         | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon       |   |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back        | <input type="checkbox"/> Water Disposal            |   |

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

EFFECTIVE JANUARY 6, 2006, WESTPORT OIL & GAS COMPANY L.P., HAS RELINQUISHED THE OPERATORSHIP OF THE ATTACHED WELL LOCATIONS TO KERR-McGEE OIL & GAS ONSHORE LP.

**APPROVED** 5/16/06  
*Earlene Russell*  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

**RECEIVED**  
**MAY 10 2006**

DIV OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

**BRAD LANEY**

Signature

Title

**ENGINEERING SPECIALIST**

Date

**May 9, 2006**

**THIS SPACE FOR FEDERAL OR STATE USE**

Approved by

*Brad Laney*

Title

Office

Date

**5-9-06**

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



## United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
Colorado State Office  
2850 Youngfield Street  
Lakewood, Colorado 80215-7076

IN REPLY REFER TO:

CO922 (MM)  
3106  
COC017387 et. al.

March 23, 2006

### NOTICE

Kerr-McGee Oil & Gas Onshore L.P. :  
1999 Broadway, Suite 3700 : Oil & Gas  
Denver, CO 80202 :

#### Merger/Name Change - Recognized

On February 28, 2006 this office received acceptable evidence of the following mergers and name conversion:

Kerr-McGee Oil & Gas Onshore L.P., a Delaware Limited Partnership, and Kerr-McGee Oil & Gas Onshore LLC, a Delaware Limited Partnership merger with and into Westport Oil and Gas Company L.P., a Delaware Limited Partnership, and subsequent Westport Oil & Gas Company L.P. name conversion to Kerr-McGee Oil & Gas Onshore L.P.

For our purposes the merger and name conversion was effective January 4, 2006, the date the Secretary of State of Delaware authenticated the mergers and name conversion.

Kerr-McGee Oil & Gas Onshore L.P. provided a list of oil and gas leases held by the merging parties with the request that the Bureau of Land Management change all their lease records from the named entities to the new entity, Kerr-McGee Oil & Gas Onshore L.P. In response to this request each state is asked to retrieve their own list of leases in the names of these entities from the Bureau of Land Management's (BLM) automated LR2000 data base.

The oil and gas lease files identified on the list provided by Kerr-McGee Oil & Gas Onshore L.P. have been updated as to the merger and name conversion. We have not abstracted the lease files to determine if the entities affected by the acceptance of these documents holds an interest in the lease, nor have we attempt to identify leases where the entity is the operator on the ground that maintains vested record title or operating rights interests. If additional documentation, for change of operator, is required you will be contacted directly by the appropriate Field Office. The Mineral Management Services (MMS) and other applicable BLM offices were notified of the merger with a copy of this notice

Please contact this office if you identify additional leases where the merging party maintains an interest, under our jurisdiction, and we will document the case files with a copy of this notice. If the leases are under the jurisdiction of another State Office that information will be forwarded to them for their action.

Three riders accompanied the merger/name conversion documents which will add Kerr-McGee Oil and Gas Onshore LLC as a principal to the 3 Kerr-McGee bonds maintained by the Wyoming State Office. These riders will be forward to them for their acceptance.

The Nationwide Oil & Gas Continental Casualty Company Bond #158626364 (BLM Bond #CO1203), maintained by the Colorado State Office, will remain in full force and effect until an assumption rider is accepted by the Wyoming State Office that conditions their Nationwide Safeco bond to accept all outstanding liability on the oil and gas leases attached to the Colorado bond.

If you have questions about this action you may call me at 303.239.3768.

/s/Martha L. Maxwell  
Martha L. Maxwell  
Land Law Examiner  
Fluid Minerals Adjudication

Attachment:

List of OG Leases to each of the following offices:

MMS MRM, MS 357B-1

WY, UT, NM/OK/TX, MT/ND, WY State Offices

CO Field Offices

Wyoming State Office

Rider #1 to Bond WY2357

Rider #2 to Bond WY1865

Rider #3 to Bond WY1127



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155  
<http://www.blm.gov>



IN REPLY REFER TO:  
3106  
(UT-922)

March 27, 2006

### Memorandum

To: Vernal Field Office

From: Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the merger recognized by the Bureau of Land Management, Colorado State Office. We have updated our records to reflect the merger from Westport Oil and Gas Company L.P. into Kerr-McGee Onshore Oil and Gas Company. The merger was approved effective January 4, 2006.

Chief, Branch of  
Fluid Minerals

### Enclosure

Approval letter from BLM COSO (2 pp)

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225  
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114  
Teresa Thompson  
Joe Incardine  
Connie Seare  
Dave Mascarenas  
Susan Bauman

RECEIVED

MAR 28 2006

BLM OF CO, SAC SALT LAKE CITY



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. UTU01791
2. Name of Operator EOG RESOURCES INC		6. If Indian, Allottee or Tribe Name
3a. Address 600 17TH STREET SUITE 1000N DENVER, CO 80202		7. If Unit or CA/Agreement, Name and/or No. NATURAL BUTTES UN
3b. Phone No. (include area code) Ph: 303-824-5526		8. Well Name and No. NATURAL BUTTES UNIT 307-06E
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 6 T10S R21E NWSW 1979FSL 2000FEL 39.97513 N Lat, 109.59229 W Lon		9. API Well No. 43-047-32014
		10. Field and Pool, or Exploratory NATURAL BUTTES/WASATCH
		11. County or Parish, and State UINTAH COUNTY, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input checked="" type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

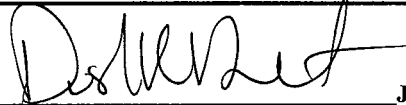
13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

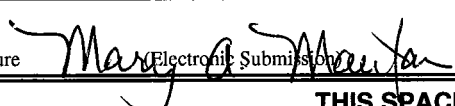
EOG Resources, Inc. requests authorization to temporarily abandon the subject well.

**THIS SUNDRY IS BEING RETURNED; INSUFFICIENT DATA WAS SUBMITTED TO APPROVE THE REQUESTED ACTION (see R649-3-36).**

*Federal Approval of This Action is Necessary*

**COPY SENT TO OPERATOR**  
Date: 1-7-2008  
Initials: KS

  
January 3, 2008  
Utah Division of Oil, Gas and Mining

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #57586 verified by the BLM Well Information System For EOG RESOURCES INC, sent to the Vernal</b>		<b>RECEIVED</b> <b>DEC 19 2007</b> DIV OF OIL, GAS & MINING
Name (Printed/Typed) MARY A MAESTAS	Title REGULATORY ASSISTANT	
Signature  (Electronic Submission)	Date 12/14/2007	

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By _____	Title _____	Date _____
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office _____

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.  
Multiple Leases

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE – Other instructions on page 2.**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
EOG Resources, Inc

3a. Address  
1060 EAST HIGHWAY 40, VERNAL, UT 84078

3b. Phone No. (include area code)  
435-781-9145

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
See Attached

7. If Unit of CA/Agreement, Name and/or No.  
Natural Buttes

8. Well Name and No.  
Multiple Wells

9. API Well No.  
See Attached

10. Field and Pool or Exploratory Area  
Natural Buttes

11. Country or Parish, State  
Utah, Utah

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Change of Operator</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

EOG Resources, Inc. has assigned all of its right, title and interest in the wells described in the attached list ("the Subject Wells") to Kerr-McGee Oil & Gas Onshore LP and will relinquish and transfer operatorship of all of the Subject Wells to Kerr-McGee Oil & Gas Onshore LP on January 1, 2010.

As of January 1, 2010, Kerr-McGee Oil & Gas Onshore LP will be considered to be the operator of each of the Subject Wells and will be responsible under the terms and conditions of the applicable lease for the operations conducted upon the leased lands. Bond coverage is provided under Kerr-McGee Oil & Gas Onshore LP's Nationwide BLM Bond No. WYB-000291.

Kerr-McGee Oil & Gas Onshore LP  
1099 18th Street, Suite 1800  
Denver, CO 80202-1918

By: Michael A. Nixon Date: 12/17/2009  
Michael A. Nixon  
Agent and Attorney-in-Fact

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
For Record Only EP  
1/31/2010

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)  
J. Michael Schween

Title Agent and Attorney-in-Fact

Signature

Date 12/17/2009

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

**RECEIVED**

Approved by

Title

Date

DEC 24 2009

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

DIV. OF OIL, GAS & MINING

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

Lease #	API #	Well Name	Footages	Legal Description
UTUO2270A	4304730261	NBU 1-07B	1975' FNL 1850' FWL	T10S-R21E-07-SESW
UTUO144868	4304730262	NBU 2-15B	1630' FSL 2125' FEL	T09S-R20E-15-NWSE
ML22651	4304730267	NBU 3-02B	1819' FNL 716' FWL	T10S-R22E-02-SWNW
UTUO10954A	4304730273	NBU 4-35B	2037' FNL 2539' FWL	T09S-R22E-35-SESW
ML22650	4304730272	NBU 5-36B	1023' FNL 958' FWL	T09S-R22E-36-NWNW
UTUO1791	4304730278	NBU 7-09B	330' FSL 1600' FWL	T10S-R21E-09-SESW
UTUO1207 ST	4304730274	NBU 10-29B	1100' FSL 1540' FEL	T09S-R22E-29-SWSE
UTUO1791	4304730294	NBU 13-08B	1600' FSL 1300' FEL	T10S-R21E-08-NESE
UTUO581	4304730296	NBU 15-29B	821' FNL 687' FWL	T09S-R21E-29-NWNW
UTUO1791	4304730316	NBU 16-06B	330' FSL 900' FEL	T10S-R21E-06-SESE
UTUO2270A	4304730317	NBU 17-18B	1014' FSL 2067' FEL	T10S-R21E-18-SWSE
UTUO144869	4304730328	NBU 19-21B	2015' FNL 646' FEL	T09S-R20E-21-SENE
UTUO575	4304730363	NBU 25-20B	1905' FNL 627' FWL	T09S-R21E-20-SWNW
UTU4485	4304730364	NBU 26-13B	600' FSL 661' FEL	T10S-R20E-13-SESE
UTUO1393B	4304730367	NBU 28-04B	529' FNL 2145' FWL	T10S-R21E-04-NENW
UTUO1393B	4304730368	NBU 29-05B	398' FSL 888' FWL	T10S-R21E-05-SESE
UTUO575	4304730380	NBU 30-18B	1895' FSL 685' FEL	T09S-R21E-18-NESE
ML01197A	4304730385	NBU 31-12B	565' FNL 756' FWL	T10S-R22E-12-NWNW
UTU461	4304730396	NBU 33-17B	683' FSL 739' FWL	T09S-R22E-17-SWSW
UTUO575	4304730404	NBU 34-17B	210' FNL 710' FEL	T09S-R21E-17-NENE
UTUO149767	4304730397	NBU 35-08B	1830' FNL 660' FWL	T09S-R21E-8-SWNW
UTUO144878B	4304730470	NBU 49-12B	551' FSL 1901' FEL	T09S-R20E-12-SWSE
UTUO140225	4304730473	NBU 52-01B	659' FSL 658' FEL	T09S-R21E-01-SESE
UTUO141315	4304730474	NBU 53-03B	495' FSL 601' FWL	T09S-R21E-03-SWSW
ML21510	4304730475	NBU 54-02B	660' FSL 660' FWL	T09S-R21E-02-SWSW
UTUO1193	4304730464	NBU 57-12B	676' FSL 1976' FEL	T09S-R21E-12-SWSE
UTUO1198B	4304730463	NBU 58-23B	1634' FNL 2366' FEL	T10S-R22E-23-SWNE
UTUO37167	4304730477	NBU 62-35B	760' FNL 2252' FEL	T10S-R22E-35-NWNE
UTU10186	4304730466	NBU 63-12B	1364' FNL 1358' FEL	T10S-R20E-12-SWNE
UTUO37167	4304730577	NBU 70-34B	1859' FSL 2249' FWL	T10S-R22E-34-NESW
UTU4476	4304730578	NBU 71-26B	1877' FNL 528' FEL	T10S-R20E-26-SENE
UTUO141315	4304731150	NBU 202-03	898' FSL 1580' FEL	T09S-R21E-03-SWSE
UTUO1791	4304731238	NBU 205-08	1432' FSL 1267' FWL	T10S-R21E-08-NWSW
UTUO1791	4304731165	NBU 206-09	1789' FNL 1546' FWL	T10S-R21E-09-SESW
UTUO1393B	4304731177	NBU 207-04	1366' FSL 1445' FWL	T10S-R21E-04-NESW
UTUO149076	4304731153	NBU 210-24	1000' FSL 1000' FWL	T09S-R21E-24-SWSW
UTUO284	4304731156	NBU 211-20	916' FSL 822' FEL	T09S-R22E-20-SESE
UTUO284	4304731267	NBU 212-19	289' FSL 798' FWL	T09S-R22E-19-SWSW
UTU22650	4304731268	NBU 213-36J	597' FNL 659' FEL	T09S-R22E-36-NENE
ML22651	4304731282	NBU 217-02	2045' FSL 766' FWL	T10S-R22E-02-NWSW
UTUO2270A	4304731310	NBU 218-17	2600' FNL 1500' FWL	T10S-R21E-17-SESW
UTUO149076	4304731308	NBU 219-24	1300' FNL 500' FWL	T09S-R21E-24-NWNW
UTUO149076	4304732131	NBU 301-24E	700' FSL 2450' FEL	T09S-R21E-24-SWSE
UTUO1791	4304732010	NBU 302-09E	1899' FSL 912' FWL	T10S-R21E-09-NWSW
UTUO575	4304732130	NBU 304-18E	782' FSL 1783' FEL	T09S-R21E-18-SWSE
UTUO149767	4304732135	NBU 305-07E	670' FNL 1950' FWL	T09S-R21E-07-NENW
UTUO581	4304732282	NBU 306-18E	1604' FSL 2797' FWL	T09S-R21E-18-NESW
UTUO1791	4304732014	NBU 307-06E	1979' FSL 2000' FEL	T10S-R21E-06-NWSE
UTUO284	4304732202	NBU 308-20E	1503' FSL 954' FWL	T09S-R22E-20-NWSW
UTUO575	4304732283	NBU 309-20E	930' FNL 667' FEL	T09S-R21E-20-NENE
UTUO149075	4304732203	NBU 311-23E	1101' FSL 1978' FEL	T09S-R21E-23-SWSE
UTUO581	4304732378	NBU 313-29E	1000' FNL 660' FEL	T09S-R21E-29-NENE
UTUO141315	4304732271	NBU 314-03E	1045' FSL 2584' FWL	T09S-R21E-03-SESW
UTUO575	4304732381	NBU 316-17E	1935' FNL 1067' FWL	T09S-R21E-17-SWNW
UTUO144868B	4304732362	NBU 317-12E	867' FNL 701' FEL	T09S-R20E-12-NENE
UTUO2270A	4304737511	NBU 319-17E	807' FNL 990' FWL	T10S-R21E-17-NWNW
UTUO1188	4304732379	NBU 321-10E	940' FSL 2508' FWL	T09S-R21E-10-SESW
UTUO575B	4304732376	NBU 325-08E	832' FSL 669' FWL	T09S-R21E-08-SWSW
UTUO1393B	4304733697	NBU 326-04E	1906' FNL 695' FWL	T10S-R21E-04-SWNW
UTUO1393B	4304739303	NBU 327-05E	1117' FNL 942' FEL	T10S-R21E-05-NENE (LOT 1)
UTU4485	4304732386	NBU 328-13E	1766' FSL 1944' FWL	T10S-R20E-13-NESW
UTUO1207 ST	4304732229	NBU 329-29E	2490' FNL 949' FEL	T09S-R22E-29-SENE

RECEIVED

DEC 24 2009

DIV. OF OIL, GAS & MINING

Lease #	API #	Well Name	Footages	Legal Description
UTUO10954A	4304732147	NBU 331-35E	1531' FNL 1153' FEL	T09S-R22E-35-SENE
UTUO1791	4304732148	NBU 332-08E	955' FSL 2508' FEL	T10S-R21E-08-SWSE
ML21510	4304732518	NBU 333-02E	1951' FSL 2245' FWL	T09S-R21E-02-NESW
UTUO149075	4304732265	NBU 335-23E	1419' FNL 828' FEL	T09S-R21E-23-SENE
UTUO149076	4304732264	NBU 336-24E	2024' FNL 1958' FWL	T09S-R21E-24-SENE
UTUO284	4304732281	NBU 339-19E	1890' FSL 674' FWL	T09S-R22E-19-NWSW
UTUO284B	4304732327	NBU 340-20E	1326' FSL 2569' FEL	T09S-R22E-20-NWSE
UTUO1207 ST	4304733055	NBU 341-29E	307' FSL 898' FEL	T09S-R22E-29-SESE
UTUO10954A	4304732212	NBU 342-35E	918' FNL 2563' FEL	T09S-R22E-35-NWNE
UTUO1393B	4304739338	NBU 346-05E	2233' FSL 676' FEL	T10S-R21E-05-NESE
UTUO575B	4304732326	NBU 349-07E	1641' FNL 1036' FWL	T09S-R21E-07-SWNW
UTUO1188	4304732519	NBU 352-10E	1806' FSL 842' FWL	T09S-R21E-10-NWSW
UTUO581	4304732383	NBU 356-29E	1600' FNL 1980' FEL	T09S-R21E-29-SWNE
UTUO2270A	4304732388	NBU 358-01E	736' FSL 1941' FEL	T10S-R20E-01-SWSE
UTU4485	4304750032	NBU 359-13E	661' FSL 2149' FEL	T10S-R20E-13-SWSE
UTU4485	4304732387	NBU 360-13E	1998' FSL 775' FWL	T10S-R20E-13-NWSW
ML21510	4304733782	NBU 379-02E	1967' FSL 898' FWL	T09S-R21E-02-NWSW
UTUO575	4304733064	NBU 382-18E	2030' FSL 2172' FEL	T09S-R21E-18-NWSE
UTUO149075	4304735889	NBU 384-23E	491' FSL 929' FEL	T09S-R21E-23-SESE
UTUO149076	4304733056	NBU 386-24E	450' FSL 1850' FWL	T09S-R21E-24-SESW
UTUO284	4304733057	NBU 388-19E	382' FSL 1847' FWL	T09S-R22E-19-SESW
UTUO1207 ST	4304733049	NBU 389-29E	2226' FSL 2166' FEL	T09S-R22E-29-NWSE
UTUO1393B	4304732835	NBU 390-04E	2577' FSL 1951' FWL	T10S-R21E-04-NESW
UTUO1393B	4304732988	NBU 391-05E	1215' FSL 2090' FEL	T10S-R21E-05-SWSE
UTUO1791	4304733783	NBU 392-06E	1926' FSL 611' FEL	T10S-R21E-06-NESE
UTU4485	4304733071	NBU 393-13E	1850' FSL 2141' FEL	T10S-R20E-13-NWSE
UTU4485	4304733072	NBU 394-13E	725' FSL 2027' FWL	T10S-R20E-13-SESW
UTUO1188	4304732544	NBU 400-11E	1983' FSL 1321' FWL	T09S-R21E-11-NESW
UTUO581	4304734216	NBU 421-29E	1985' FNL 972' FEL	T09S-R21E-29-SENE
UTUO581	4304733698	NBU 422-29E	1980' FNL 785' FWL	T09S-R21E-29-SWNW
UTUO581	4304734206	NBU 423-30E	1980' FSL 660' FEL	T09S-R21E-30-NESE
ML3142	4304733699	NBU 424-32E	744' FNL 773' FEL	T09S-R21E-32-NENE
UTUO2270A	4304740049	NBU 428-07E	660' FSL 855' FWL	T10S-R21E-07-SWSW (Lot 4)
UTUO1791	4304733069	NBU 431-09E	2599' FNL 662' FWL	T10S-R21E-09-SWNW
UTUO2270A	4304738536	NBU 434-17E	1799' FNL 2176' FWL	T10S-R21E-17-SENE
UTUO2270A	4304738376	NBU 435-17E	1837' FNL 571' FWL	T10S-R21E-17-SWNW
UTUO2270A	4304734195	NBU 436-18E	1644' FSL 748' FEL	T10S-R21E-18-NESE
UTUO2270A	4304735499	NBU 437-18E	322' FSL 748' FEL	T10S-R21E-18-SESE
ML22792	4304737534	NBU 438-19E	661' FNL 1941' FEL	T10S-R21E-19-NWNE
ML22792	4304737535	NBU 439-19E	2111' FNL 1980' FWL	T10S-R21E-19-SWNE
UTUO10953	4304736279	NBU 451-01E	1965' FSL 2132' FWL	T10S-R22E-01-NESW
ML22651	4304736053	NBU 456-02E	493' FNL 1080' FWL	T10S-R22E-02-NWNW (Lot 4)
UTUO141315	4304733063	NBU 481-03E	1490' FSL 556' FEL	T09S-R21E-03-NESE
UTUO581	4304733065	NBU 483-19E	1850' FSL 1980' FWL	T09S-R21E-19-NESW
UTUO575	4304733784	NBU 484-20E	350' FNL 823' FWL	T09S-R21E-20-NWNW
UTUO2270A	4304739897	NBU 486-07E	1895' FSL 1834' FWL	T10S-R21E-07-NESW
UTUO575B	4304733121	NBU 489-07E	763' FSL 733' FWL	T09S-R21E-07-SWSW (Lot 4)
UTUO2270A	4304733123	NBU 497-01E	2091' FSL 894' FEL	T10S-R20E-01-NESE
UTUO577A	4304733140	NBU 506-23E	720' FNL 1818' FWL	T09S-R20E-23-NENW
UTUO1791	4304733124	NBU 508-08E	915' FSL 355' FEL	T10S-R21E-08-SESE
UTUO1197A ST	4304739283	NBU 513-12EX	1850' FNL 2133' FWL	T10S-R22E-12-SENE
UTUO2270A	4304733696	NBU 516-12E	1950' FSL 1786' FEL	T10S-R20E-12-NWSE
UTUO141315	4304733779	NBU 519-03E	1749' FSL 798' FWL	T09S-R21E-03-NWSW
UTUO575B	4304733780	NBU 521-08E	2250' FSL 900' FWL	T09S-R21E-08-NWSW
UTUO1188	4304733781	NBU 522-10E	732' FSL 841' FEL	T09S-R21E-10-SESE
UTUO2270A	4304733685	NBU 523-12E	660' FSL 660' FEL	T10S-R20E-12-SESE
UTUO2270A	4304733701	NBU 524-12E	841' FSL 1795' FEL	T10S-R20E-12-SWSE
UTUO2270A	4304739722	NBU 529-07E	704' FNL 762' FWL	T10S-R21E-07-NWNW
UTUO581	4304734639	NBU 534-18E	1885' FSL 115' FWL	T09S-R21E-18-NWSW
UTUO2270A	4304735200	NBU 535-17E	1893' FSL 580' FWL	T10S-R21E-17-NWSW
ML22791	4304735252	NBU 536-18E	734' FSL 2293' FWL	T10S-R21E-18-SESW
UTUO2270A	4304735253	NBU 537-18E	1880' FSL 1830' FEL	T10S-R21E-18-NWSE

RECEIVED

DEC 24 2009

Lease #	API #	Well Name	Footages	Legal Description
UTUO284	4304735886	NBU 538-19E	1937' FSL 1833' FWL	T09S-R22E-19-NESW
UTUO149076	4304735887	NBU 539-24E	1870' FSL 477' FEL	T09S-R21E-24-NESE
UTUO10953	4304736280	NBU 546-01E	2036' FSL 699' FWL	T10S-R22E-01-NWSW
UTUO10953	4304736278	NBU 547-01E	749' FSL 598' FWL	T10S-R22E-01-SWSW
UTU474	4304737687	NBU 553-28E	767' FNL 753' FWL	T10S-R22E-28-NWNW
UTU474	4304737686	NBU 554-28E	2023' FNL 465' FWL	T10S-R22E-28-SWNW
ML22791	4304737685	NBU 555-18E	1984' FSL 1790' FWL	T10S-R21E-18-NESW
ML22791	4304737514	NBU 556-18E	1800' FSL 870' FWL	T10S-R21E-18-NWSW
ML22791	4304737513	NBU 557-18E	852' FSL 661' FWL	T10S-R21E-18-SWSW
UTUO2270A	4304737510	NBU 558-17E	748' FSL 611' FWL	T10S-R21E-17-SWSW
UTUO2278C	4304737509	NBU 559-17E	467' FSL 2065' FWL	T10S-R21E-17-SESW
UTUO2278	4304737508	NBU 560-17E	1946' FSL 1896' FWL	T10S-R21E-17-NESW
UTUO2278	4304737512	NBU 561-17E	857' FSL 1988' FEL	T10S-R21E-17-SWSE
ML22792	4304737536	NBU 562-19E	859' FNL 859' FEL	T10S-R21E-19-NENE
ML22792	4304737537	NBU 563-19E	1982' FSL 1878' FEL	T10S-R21E-19-NWSE
UTU4476	4304738962	NBU 564-26E	665' FNL 1945' FWL	T10S-R20E-26-NENW
ML22793	4304737533	NBU 565-30E	1865' FNL 1786' FEL	T10S-R21E-30-SWNE
UTUO2270A	4304738375	NBU 566-17E	538' FNL 1806' FWL	T10S-R21E-17-NENW
UTUO1791	4304738535	NBU 567-17E	690' FNL 1988' FEL	T10S-R21E-17-NWNE
UTUO1791	4304738537	NBU 568-17E	850' FNL 807' FEL	T10S-R21E-17-NENE
UTUO1791	4304738534	NBU 569-17E	2009' FNL 1809' FEL	T10S-R21E-17-SWNE
UTUO1791	4304738529	NBU 570-17E	2031' FNL 672' FEL	T10S-R21E-17-SENE
UTUO2278	4304738377	NBU 571-17E	1964' FSL 1831' FEL	T10S-R21E-17-NWSE
UTUO2278	4304738374	NBU 572-17E	1810' FSL 739' FEL	T10S-R21E-17-NESE
UTUO2278	4304738510	NBU 573-17E	813' FSL 481' FEL	T10S-R21E-17-SESE
ML22650	4304739308	NBU 602-36E	1723' FNL 719' FWL	T09S-R22E-36-SWNW
UTUO1393B	4304739305	NBU 614-05E	716' FNL 1967' FEL	T10S-R21E-05-NWNE
UTUO1393B	4304739655	NBU 615-05E	2384' FNL 1015' FEL	T10S-R21E-05-SENE
UTUO1393B	4304739337	NBU 617-04E	933' FNL 745' FWL	T10S-R21E-04-NWNW
UTUO1393B	4304739336	NBU 618-04E	998' FSL 661' FWL	T10S-R21E-04-SWSW
UTUO1393B	4304739414	NBU 625-04E	1937' FNL 1722' FWL	T10S-R21E-04-SENW
UO01197A ST	4304739192	NBU 632-12E	860' FNL 2032' FWL	T10S-R22E-12-NENW
UO01197A ST	4304739193	NBU 633-12E	789' FNL 2179' FEL	T10S-R22E-12-NWNE
UO01197A ST	4304739190	NBU 635-12E	1808' FNL 1754' FEL	T10S-R22E-12-SWNE
UTUO1197A ST	4304739191	NBU 636-12E	1824' FNL 461' FEL	T10S-R22E-12-SENE
UTUO8512 ST	4304750016	NBU 638-13E	1926' FNL 2504' FWL	T10S-R22E-13-SENW
UTUO8512 ST	4304750019	NBU 639-13E	859' FNL 1902' FEL	T10S-R22E-13-NWNE
UTUO8512 ST	4304750014	NBU 640-13E	1619' FNL 1639' FEL	T10S-R22E-13-SWNE
UTUO8512A ST	4304750058	NBU 641-13E	990' FNL 1184' FEL	T10S-R22E-13-NENE
UTUO8512 ST	4304750013	NBU 642-13E	1949' FNL 858' FEL	T10S-R22E-13-SENE
UTUO2270A	4304739957	NBU 653-07E	660' FNL 1980' FWL	T10S-R21E-07-NENW
UTUO2270A	4304739956	NBU 654-07E	1913' FNL 522' FWL	T10S-R21E-07-SWNW
UTUO2270A	4304739860	NBU 655-07E	1926' FSL 750' FWL	T10S-R21E-07-NWSW
UTUO1791	4304739856	NBU 658-01E	2177' FNL 1784' FEL	T10S-R20E-01-SWNE
UTUO2270A	4304739858	NBU 660-12E	661' FNL 691' FEL	T10S-R20E-12-NENE
ML22790	4304750011	NBU 661-24E	1734' FSL 661' FWL	T10S-R20E-24-NWSW
ML22790	4304750017	NBU 662-24E	809' FSL 807' FWL	T10S-R20E-24-SWSW
ML22790	4304750010	NBU 663-24E	810' FSL 1979' FWL	T10S-R20E-24-SESW
ML22790	4304739867	NBU 664-24E	1810' FNL 1781' FEL	T10S-R20E-24-NWSE
ML22790	4304750018	NBU 665-24E	1950' FSL 660' FEL	T10S-R20E-24-NESE
ML22790	4304750057	NBU 666-24E	1043' FSL 1722' FEL	T10S-R20E-24-SWSE
ML22790	4304750012	NBU 667-24E	660' FSL 660' FEL	T10S-R20E-24-SESE
UTUO2270A	4304739901	NBU 668-12E	859' FNL 1915' FEL	T10S-R20E-12-NWNE
UO1207 ST	4304740084	NBU 670-29E	2018' FSL 859' FEL	T09S-R22E-29-NESE
UO1207 ST	4304750027	NBU 691-29E	680' FNL 797' FEL	T09S-R22E-29-NENE
ML3140.5	4304738330	NBU 760-36E	1320' FNL 1320' FEL	T09S-R20E-36-NENE
UTU4476	4304738632	NBU 762-26E	1506' FNL 1449' FEL	T10S-R20E-26-SWNE
ML22792	4304738332	NBU 763-19E	1258' FSL 1388' FEL	T10S-R21E-19-SWSE
ML3142	4304738331	NBU 764-32E	875' FNL 667' FWL	T09S-R21E-32-NWNW
UTUO1791	4304738633	NBU 765-09E	1000' FSL 1640' FWL	T10S-R21E-09-SESW

RECEIVED

DEC 24 2009

DIV. OF OIL, GAS & MINING

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>																														
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-1791																														
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>																														
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES																														
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>8. WELL NAME and NUMBER:</b> NBU 307-6E																														
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1979 FSL 2000 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSE Section: 06 Township: 10.0S Range: 21.0E Meridian: S		<b>9. API NUMBER:</b> 43047320140000																														
<b>10. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES		<b>COUNTY:</b> UINTAH																														
<b>11. STATE:</b> UTAH																																
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA																																
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>																															
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 4/2/2013  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<table style="width: 100%;"> <tr> <td><input type="checkbox"/> ACIDIZE</td> <td><input type="checkbox"/> ALTER CASING</td> <td><input type="checkbox"/> CASING REPAIR</td> </tr> <tr> <td><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</td> <td><input type="checkbox"/> CHANGE TUBING</td> <td><input type="checkbox"/> CHANGE WELL NAME</td> </tr> <tr> <td><input type="checkbox"/> CHANGE WELL STATUS</td> <td><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</td> <td><input type="checkbox"/> CONVERT WELL TYPE</td> </tr> <tr> <td><input type="checkbox"/> DEEPEN</td> <td><input type="checkbox"/> FRACTURE TREAT</td> <td><input type="checkbox"/> NEW CONSTRUCTION</td> </tr> <tr> <td><input type="checkbox"/> OPERATOR CHANGE</td> <td><input type="checkbox"/> PLUG AND ABANDON</td> <td><input type="checkbox"/> PLUG BACK</td> </tr> <tr> <td><input type="checkbox"/> PRODUCTION START OR RESUME</td> <td><input type="checkbox"/> RECLAMATION OF WELL SITE</td> <td><input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</td> </tr> <tr> <td><input type="checkbox"/> REPERFORATE CURRENT FORMATION</td> <td><input type="checkbox"/> SIDETRACK TO REPAIR WELL</td> <td><input type="checkbox"/> TEMPORARY ABANDON</td> </tr> <tr> <td><input type="checkbox"/> TUBING REPAIR</td> <td><input type="checkbox"/> VENT OR FLARE</td> <td><input type="checkbox"/> WATER DISPOSAL</td> </tr> <tr> <td><input type="checkbox"/> WATER SHUTOFF</td> <td><input type="checkbox"/> SI TA STATUS EXTENSION</td> <td><input type="checkbox"/> APD EXTENSION</td> </tr> <tr> <td><input type="checkbox"/> WILDCAT WELL DETERMINATION</td> <td><input type="checkbox"/> OTHER</td> <td>OTHER: <input style="width: 100px;" type="text"/></td> </tr> </table>		<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR																														
<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME																														
<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE																														
<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION																														
<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK																														
<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION																														
<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON																														
<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL																														
<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION																														
<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>																														
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b>  <div style="display: flex; justify-content: space-between;"> <div style="width: 70%;"> <p>The operator requests approval to abandon the existing Wasatch formation, and recomplete the subject well in the Green River formation. This change will move the well from the Natural Buttes Unit to the Maverick Unit UTU88574X, approval order No. 197-013 on July 25, 2012. This is a federal well with the lease number U-1791. Please see the attached procedure. Thank you.</p> </div> <div style="width: 25%; text-align: right;"> <p><b>Accepted by the</b>  <b>Utah Division of</b>  <b>Oil, Gas and Mining</b></p> <p><b>Date:</b> April 04, 2013</p> <p><b>By:</b> <u><i>Derek Quist</i></u></p> </div> </div>																																
<b>NAME (PLEASE PRINT)</b> Luke Urban	<b>PHONE NUMBER</b> 720 929-6501	<b>TITLE</b> Regulatory Specialist																														
<b>SIGNATURE</b> N/A		<b>DATE</b> 4/2/2013																														



## **Maverick Unit**

**NBU 307-6E**  
**RE-COMPLETIONS PROCEDURE**  
**FIELD ID: N/A**

**DATE: 03/19/2013**  
**AFE#:**  
**API#: 4304732014**  
**USER ID: WIU473**

**COMPLETIONS ENGINEER: Patricia Cuba, Denver, CO**  
**(720) 929-6348 (Office)**  
**(303) 601-7259 (Cell)**

**REMEMBER SAFETY FIRST!**



**Name:** **NBU 307-6E**  
**Location:** **NW SE Sec 6 T10S R21E**  
**LAT: 39.975095** **LONG: -109.5929796** **COORDINATE: NAD83 (Surface Location)**  
**Uintah County, UT**  
**Date:** **03/19/2013**

**ELEVATIONS:** 4987' GL 5002' KB *Frac Registry TVD: 6491*

**TOTAL DEPTH:** 6491'

**PBTD:** 6219'

**SURFACE CASING:**

9 5/8", 32.3# H-40 ST&C @ 232'

**PRODUCTION CASING:**

4 1/2", 10.5#, J-55 LT&C @ 6306'

Marker Joint will be documented after running new CBL

#### **TUBULAR PROPERTIES:**

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES	
				(bbl/ft)	(gal/ft)
2 3/8" 4.7# J-55 tbg	7,700	8,100	1.901"	0.00387	0.1624
4 1/2" 10.5# J-55	4,790	4,010	3.927"	0.0159	0.6699
2 3/8" by 4 1/2" Annulus				0.0105	

#### **TOPS:**

1600' Bird's Nest Top  
 2074' Mahogany Top  
 3781' Douglas Creek Top  
 4120' Carb. Marker Top  
 4295' Long Point Top  
 4608' Uteland ButteTop  
 4744' Wasatch Top  
 Mesaverde Top (Not Penetrated)  
 \*Based on latest geological interpretation

#### **T.O.C. @ 2120'**

\*\*Based on latest interpretation of CBL

- CBL from Cutters dated 07/29/1991. Log is missing the 2200-4200' interval. CBL should be run to evaluate cement integrity in the aforementioned interval.
- Hydraulic isolation will be documented and reported after running a new CBL.
- All perforation depths are from Schlumbergers Induction-Density-Neutron log dated 07/08/1991

#### **GENERAL:**

- Please note that:
  - DFITs will be pumped in selective intervals. Detailed information regarding timing and intervals tested can be found in the post-job report.
  - In addition, all stages on this procedure may or may not be completed due to low frac gradients, timing, or other possible reasons. Total stages completed can be found in the post-job-report.



- **CBP depth on this procedure is only to be used as a reference. This depth is subject to change as per field operations and the discretion of the wireline supervisor and field foreman.**

#### **Existing Perforations (from Daily Reports):**

Date	Formation	Top	Bottom	SPF	No. Holes
1991	Wasatch	5482	5492	2	20
1991	Wasatch	5555	5566	2	22
2002	Wasatch	5652	5656	3	12
2002	Wasatch	5664	5668	3	12
2002	Wasatch	5800	5802	3	6
2002	Wasatch	5901	5906	3	15
2002	Wasatch	5916	5918	3	6
1991	Wasatch	5998	6012	2	28
1991	Wasatch	6017	6020	2	6
2002	Wasatch	6083	6087	3	12

#### **Relevant History:**

**06/081991:** Spud date  
**07/10/1991:** Reached TD  
**08/30/1991:** Originally completed in Wasatch formation using **65,450** gallons of **gelled water**, **99,680** lbs of **20/40** sand and **103,100** lbs of 16/30 RCS.  
**07/25/2002:** Recompleted in Wasatch with 16,255 gallons of gel and 42,000 lbs of 20/40 sand  
**03/19/2013:** Tubing Currently Landed @~ **6085'** according to Open Wells. No plug has been set to isolate Wasatch formation.

#### **H2S History:**

Production Date	Gas (avg mcf/day)	Water (avg bbl/day)	Oil (avg bbl/day)	LGR (bbl/Mmcf)	Max H2S Seperator (ppm)
2/28/2013	0.00	0.00	0.00	#NA	
1/31/2013	0.00	0.00	0.00	#NA	
12/31/2012	0.00	0.00	0.00	#NA	
11/30/2012	0.00	0.00	0.00	#NA	
10/31/2012	0.00	0.00	0.00	#NA	
9/30/2012	0.00	0.00	0.00	#NA	0.00
8/31/2012	0.00	0.00	0.00	#NA	
7/31/2012	0.00	0.00	0.00	#NA	
6/30/2012	0.00	0.00	0.00	#NA	
5/31/2012	0.00	0.00	0.00	#NA	0.00
4/30/2012	0.00	0.00	0.00	#NA	
3/31/2012	0.00	0.00	0.00	#NA	
2/29/2012	0.00	0.00	0.00	#NA	
1/31/2012	0.00	0.00	0.00	#NA	
12/31/2011	0.00	0.00	0.00	#NA	
11/30/2011	0.00	0.00	0.00	#NA	
10/31/2011	0.00	0.00	0.00	#NA	
9/30/2011	0.00	0.00	0.00	#NA	
8/31/2011	0.00	0.00	0.00	#NA	
7/31/2011	0.00	0.00	0.00	#NA	
6/30/2011	0.00	0.00	0.00	#NA	
5/31/2011	0.00	0.00	0.00	#NA	
4/30/2011	0.00	0.00	0.00	#NA	
3/31/2011	0.00	0.00	0.00	#NA	
2/28/2011	0.00	0.00	0.00	#NA	

## **PRE-JOB CONSIDERATIONS:**

- **Plug calculations are based on Class G cement with 0% Bentonite. Adjust the cement slurry volumes if a different cement type will be used.**
- **1** fracturing stages and **2** acid wash stages required for coverage.
- A minimum of **7** tanks (cleaned lined 500 bbl) of fresh water will be required.

### **Note:**

- **Use biocide from Nabors/Nalco as applicable in frac tanks**
- **Use only fresh water in order to assure crosslinked fluid performance**
- **Water needs to be at least 65-75°F at pump time**
- Procedure calls for **3** CBP's (**8,000** psi) and **2** CIBP's (**10,000** psi).
- 20/40 mesh Ottawa sand.
- Max Sand Concentration: Green River- Long Point formation: 3 ppg

## **ON SITE CONSIDERATIONS:**

- Maximum surface pressure **3800 psi**.
- **If casing pressure test fails (pressure loss of 1.5% psi or more), retest for 15 minutes. If pressure loss of 1.5% more on second test, notify Denver engineers. Record in Openwells. MIRU with tubing and packer. Isolate leak by pressure testing above and below the packer. RIH and set appropriate casing leak remediation. Re-pressure test to 1000 for 15 minutes each and to **3800 psi** for 30 minutes (specific details on remediation should be documented in OpenWells).**
- **Remember to pre-load the casing with scale inhibitor from Nalco.**
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Flush volumes are the sum of FR water used during displacement (include scale inhibitor as mentioned above).
- Call flush at 0 PPG @ inline densimeters. Slow to 5 bbl/min over last 10-20 bbls of flush.
- pH should be measured during the treatment in order to make sure acid has been flushed from the treating lines and will not affect the cross-linked gel.
- Multiple test samples will be pulled on the fly to check crosslinked gel.
- Bucket tests should be performed prior to pumping to assure the chemical pumps working and pumping at the desired rate.

## **PROCEDURE:**

1. MIRU. Kill well as needed. ND WH, NU and test BOPE.
2. POOH w/tubing. Visually inspect for scale and consider replacing tubing if needed.
3. Mill and C/O to 5472'.
4. **PLUG #1- ISOLATE WASATCH PERFORATIONS (5482' – 6087'):** RIH W/ 4 ½" CIBP. SET @ ~ 5452' (~30' above top perfs). Pressure test casing to **3800** psi. Inform engineering if it doesn't test. Dump bail **7 SX/ 0.8 BBL/ 4.4 CUFT** of cement on top of plug. PUH above TOC (~5402", equivalent to 50' COVERAGE).

5. Run CBL. Contact Completions Engineer in Denver office.
6. **PLUG #2 - PROTECT TOP OF WASATCH (4744')**: RIH W/ 4 ½" CIBP. SET @ ~4770' (~30' below top of formation). Pressure test casing to 3800 psi. Inform engineering if it doesn't test. Dump bail **7 SX/ 0.8 BBL/ 4.4 CUFT** of cement on top of plug. PUH above TOC (~4720', equivalent to 50' COVERAGE).
7. ND BOPs and NU frac valves. Test frac valves and casing to 1000 psi for 15 minutes and to **3800** psi for 30 minutes. As per standard operating procedure install steel blowdown line to reserve pit from 4-1/2" X 9-5/8" annulus. Lock **OPEN** the Braden head valve. Annulus will be monitored throughout stimulation. If release occurs, stimulation will be shut down. Well conditions will be assessed and actions taken as necessary to secure the well. UDOGM will be notified if a release to the annulus occurs.
8. Pressure test frac lines to max surface pressure + 1000 psi for 15 minutes. Pressure loss should be less than 10% to be considered acceptable. Check and correct for existing leaks.
9. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:
 

Zone	From	To	spf	# of shots
LONG POINT	4349	4350	3	3
LONG POINT	4394	4396	3	6
LONG POINT	4414	4416	3	6
LONG POINT	4520	4523	3	9
10. Spear head 250 gals of 15% HCl at 5 bpm pumping rate. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 1 on attached listing. Displace with 2913 gal of FR water (volume to top perfs).
11. Set 8000 psi CBP at~4319'. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:
 

Zone	From	To	spf	# of shots	
CARB MARKER		4266	4270	3	12
CARB MARKER		4288	4290	3	6
CARB MARKER		4292	4294	3	6
12. Spear head 250 gals of 15% HCl at 5 bpm pumping rate. Perform acid wash as outlined in Stage 2 on attached listing. Displace with 2858 gal of FR water (volume to top perfs).
13. Set 8000 psi CBP at~4218'. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:
 

Zone	From	To	spf	# of shots	
CARB MARKER		4123	4124	3	3
CARB MARKER		4134	4135	3	3
CARB MARKER		4146	4148	3	6
CARB MARKER		4172	4173	3	3
CARB MARKER		4177	4178	3	3
CARB MARKER		4186	4188	3	6
14. Spear head 250 gals of 15% HCl at 5 bpm pumping rate. Perform acid wash as outlined in Stage 3 on attached listing. Displace with 2762 gal of FR water (volume to top perfs).

15. Set 8000 psi CBP at~4073'.
16. ND Frac Valves, NU and Test BOPs.
17. TIH with 3 7/8" bit, pump off sub, SN and tubing.
18. Drill plugs and clean out to PBTD. Shear off bit and land tubing at  $\pm 4349'$  unless indicated otherwise by the well's behavior.
19. Clean out well with foam and/or swabbing unit until steady flow has been established from completion.
20. **Leave surface casing valve open.** Monitor and report any flow from surface casing. RDMO

NOTES:

If using any chemicals for pickling tubing or H<sub>2</sub>S Scavenging, have MSDS for all chemicals prior to starting work

Verify that the Braden head valve is locked **OPEN**.

Key Contact information

Completion Engineer

Patricia Cuba: 303/601-7259, 720/929-6348

Production Engineer

Jesse Markeveys: 215/380-0781, 435/781-7055

Brad Laney: 435/781-7031, 435/828-5469

Completion Supervisor Foreman

Jeff Samuels: 435/828-6515, 435/781-7046

Completion Manager

Jeff Dufresne: 720/929-6281, 303/241-8428

Vernal Main Office

435/789-3342

Emergency Contact Information—Call 911

Vernal Regional Hospital Emergency: 435-789-3342

Police: (435) 789-5835

Fire: 435-789-4222





Name NBU 307-6E

## Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes		Fracture Coverage		
		Top, ft	Bottom, ft						
1	LONG POINT	4349	4350	3	3		4347	to	4525
	LONG POINT	4394	4396	3	6				
	LONG POINT	4414	4416	3	6				
	LONG POINT	4520	4523	3	9				
	LONG POINT								
	LONG POINT								
	LONG POINT								
	# of Perfs/stage				24		CBP DEPTH	4,319	
	Totals				24				Total

Stage	Zones	Perforations		SPF	Holes		Fracture Coverage		
		Top, ft	Bottom, ft						
2	CARB MARKER	4266	4270	3	12		4265	to	4294
	CARB MARKER	4288	4290	3	6				
	CARB MARKER	4292	4294	3	6				
	CARB MARKER								
	CARB MARKER								
	CARB MARKER								
	CARB MARKER								
	# of Perfs/stage				24		CBP DEPTH	4,218	
3	CARB MARKER	4123	4124	3	3		4122	to	4189
	CARB MARKER	4134	4135	3	3				
	CARB MARKER	4146	4148	3	6				
	CARB MARKER	4172	4173	3	3				
	CARB MARKER	4177	4178	3	3				
	CARB MARKER	4186	4188	3	6				
	CARB MARKER								
	# of Perfs/stage				24		CBP DEPTH	4,073	
	Totals				48				Total

Acid Pickling and H2S Procedures (If Required)

**\*\*PROCEDURE FOR PUMPING ACID DOWN TBG**

WHEN FINDING SCALE IN TUBING THAT IS ACID SOLUBLE, ENSURE THAT PLUNGER EQUIPMENT IS REMOVED AND ABLE TO PUMP DOWN TBG. INSTALL A 'T' IN PUMP LINE W/2" VALVE THAT NALCO CAN TIE INTO. HAVE 60 BBLS 2% KCL MIXED W/ 10-15 GAL H2S SCAVENGER IN RIG FLAT TANK. (WE USED THE RIG FLAT TANK FOR MIXING CHEMICAL SO WE DIDN'T HAVE THE CHEMICAL IN ALL FLUIDS ON LOCATION, ONLY WHAT WE NEEDED TO PUMP DOWN HOLE)

1. PUMP 5-10 BBLS 2% KCL DOWN TBG (NALCO CANNOT PUMP AGAINST PRESSURE)
2. NALCO WILL PUMP 3 DRUMS HCL (31%) INTO PUMP LINE.
3. FLUSH BEHIND ACID WITH 10-15 BBL 2% KCL
4. PUMP 2—30 BBL 2% W/ H2S SCAVENGER DOWN TBG.
5. PUMP REMAINDER OF 2% W/ H2S SCAVENGER DOWN CASING AND SHUT WELL IN FOR MINIMUM OF 2 HRS.
6. OVER DISPLACE DOWN TBG AND CSG TO FLUSH ACID AND SCAVENGER INTO FORMATION
7. MONITOR TUBING FOR FLOW AND CASING FOR H2S NOW AS POOH W/ TUBING.

**\*\* PROCEDURE FOR PUMPING H2S SCAVENGER WITHOUT ACID**

PRIOR TO RIG MOVING ON OR AS RIG PULLS ONTO LOCATION. TEST CASING, TUBING AND SEPARATOR FOR H2S. IF FOUND MAKE SURE THAT PLUNGER SYSTEM IS REMOVED (IT IS POSSIBLE TO PUMP AROUND PLUNGERS BUT SOME WILL HAVE A STANDING VALVE IN SEATING NIPPLE).

1. MIX 10-15 GAL H2S SCAVENGER WITH 60-100 BBL 2% KCL IN RIG FLAT TANK.
2. PUMP 25 BBLS MIXTURE DOWN TUBING AND REST DOWN CASING. SHUT WELL IN FOR 2 HOURS.
3. IF WELL HAS PRESSURE AFTER 2 HOURS – RETEST CASING AND TUBING FOR H2S.
4. FLUSH TUBING AND CASING PUSHING H2S SCAVENGER INTO FORMATION.
5. MONITOR TUBING FOR FLOW AND CASING FOR H2S NOW AS POOH W/ TUBING.

\*\* As per APC standard operating procedure, APC foreman will verify ALL volumes pumped and record on APC Volume Report Form



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>			
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-1791			
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES			
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>8. WELL NAME and NUMBER:</b> NBU 307-6E			
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>9. API NUMBER:</b> 43047320140000			
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1979 FSL 2000 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSE Section: 06 Township: 10.0S Range: 21.0E Meridian: S		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES  <b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH			
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>					
<b>TYPE OF SUBMISSION</b>  <input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 4/17/2013  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<b>TYPE OF ACTION</b>  <table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION          OTHER: <input style="width: 100px;" type="text"/> </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>			
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b>  The operator requests approval to abandon the existing Wasatch formation and recomplete the subject well in the Green River formation. This change will move the well from the Natural Buttes Unit to the Maverick Unit UTU88574X, approval order No. 197-013 on July 25, 2012. This is a federal well with the lease number U-1791. Please see the attached procedure. Thank you.					
<b>NAME (PLEASE PRINT)</b> Luke Urban		<b>PHONE NUMBER</b> 720 929-6501			
<b>SIGNATURE</b> N/A		<b>TITLE</b> Regulatory Specialist  <b>DATE</b> 4/17/2013			



# **Maverick Unit**

## **NBU 307-6E RE-COMPLETIONS PROCEDURE FIELD ID: N/A**

**DATE: 03/19/2013  
AFE#:  
API#: 4304732014  
USER ID: WIU473**

**COMPLETIONS ENGINEER: Patricia Cuba, Denver, CO  
(720) 929-6348 (Office)  
(303) 601-7259 (Cell)**

**REMEMBER SAFETY FIRST!**

**Name:** **NBU 307-6E**  
**Location:** **NW SE Sec 6 T10S R21E**  
**LAT: 39.975095** **LONG: -109.5929796** **COORDINATE: NAD83 (Surface Location)**  
**Uintah County, UT**  
**Date:** **03/19/2013**

**ELEVATIONS:** 4987' GL 5002' KB *Frac Registry TVD: 6491*

**TOTAL DEPTH:** 6491'

**PBTD:** 6219'

**SURFACE CASING:**

9 5/8", 32.3# H-40 ST&C @ 232'

**PRODUCTION CASING:**

4 1/2", 10.5#, J-55 LT&C @ 6306'

Marker Joint will be documented after running new CBL

#### **TUBULAR PROPERTIES:**

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES	
				(bbl/ft)	(gal/ft)
2 3/8" 4.7# J-55 tbg	7,700	8,100	1.901"	0.00387	0.1624
4 1/2" 10.5# J-55	4,790	4,010	3.927"	0.0159	0.6699
2 3/8" by 4 1/2" Annulus				0.0105	

#### **TOPS:**

1600' Bird's Nest Top  
 2074' Mahogany Top  
 3781' Douglas Creek Top  
 4120' Carb. Marker Top  
 4295' Long Point Top  
 4608' Uteland ButteTop  
 4744' Wasatch Top  
 Mesaverde Top (Not Penetrated)  
 \*Based on latest geological interpretation

#### **T.O.C. @ 2120'**

\*\*Based on latest interpretation of CBL

- CBL from Cutters dated 07/29/1991. Log is missing the 2200-4200' interval. CBL should be run to evaluate cement integrity in the aforementioned interval.
- Hydraulic isolation will be documented and reported after running a new CBL.
- All perforation depths are from Schlumbergers Induction-Density-Neutron log dated 07/08/1991

#### **GENERAL:**

- Please note that:
  - DFITs will be pumped in selective intervals. Detailed information regarding timing and intervals tested can be found in the post-job report.
  - In addition, all stages on this procedure may or may not be completed due to low frac gradients, timing, or other possible reasons. Total stages completed can be found in the post-job-report.

- **CBP depth on this procedure is only to be used as a reference. This depth is subject to change as per field operations and the discretion of the wireline supervisor and field foreman.**

#### **Existing Perforations (from Daily Reports):**

Date	Formation	Top	Bottom	SPF	No. Holes
1991	Wasatch	5482	5492	2	20
1991	Wasatch	5555	5566	2	22
2002	Wasatch	5652	5656	3	12
2002	Wasatch	5664	5668	3	12
2002	Wasatch	5800	5802	3	6
2002	Wasatch	5901	5906	3	15
2002	Wasatch	5916	5918	3	6
1991	Wasatch	5998	6012	2	28
1991	Wasatch	6017	6020	2	6
2002	Wasatch	6083	6087	3	12

#### **Relevant History:**

**06/081991:** Spud date  
**07/10/1991:** Reached TD  
**08/30/1991:** Originally completed in Wasatch formation using **65,450** gallons of **gelled water**, **99,680** lbs of **20/40** sand and **103,100** lbs of 16/30 RCS.  
**07/25/2002:** Recompleted in Wasatch with 16,255 gallons of gel and 42,000 lbs of 20/40 sand  
**03/19/2013:** Tubing Currently Landed @~ **6085'** according to Open Wells. No plug has been set to isolate Wasatch formation.

#### **H2S History:**

Production Date	Gas (avg mcf/day)	Water (avg bbl/day)	Oil (avg bbl/day)	LGR (bbl/MMcf)	Max H2S Seperator (ppm)
2/28/2013	0.00	0.00	0.00	#NA	
1/31/2013	0.00	0.00	0.00	#NA	
12/31/2012	0.00	0.00	0.00	#NA	
11/30/2012	0.00	0.00	0.00	#NA	
10/31/2012	0.00	0.00	0.00	#NA	
9/30/2012	0.00	0.00	0.00	#NA	0.00
8/31/2012	0.00	0.00	0.00	#NA	
7/31/2012	0.00	0.00	0.00	#NA	
6/30/2012	0.00	0.00	0.00	#NA	
5/31/2012	0.00	0.00	0.00	#NA	0.00
4/30/2012	0.00	0.00	0.00	#NA	
3/31/2012	0.00	0.00	0.00	#NA	
2/29/2012	0.00	0.00	0.00	#NA	
1/31/2012	0.00	0.00	0.00	#NA	
12/31/2011	0.00	0.00	0.00	#NA	
11/30/2011	0.00	0.00	0.00	#NA	
10/31/2011	0.00	0.00	0.00	#NA	
9/30/2011	0.00	0.00	0.00	#NA	
8/31/2011	0.00	0.00	0.00	#NA	
7/31/2011	0.00	0.00	0.00	#NA	
6/30/2011	0.00	0.00	0.00	#NA	
5/31/2011	0.00	0.00	0.00	#NA	
4/30/2011	0.00	0.00	0.00	#NA	
3/31/2011	0.00	0.00	0.00	#NA	
2/28/2011	0.00	0.00	0.00	#NA	

#### **PRE-JOB CONSIDERATIONS:**

- **Plug calculations are based on Class G cement with 0% Bentonite. Adjust the cement slurry volumes if a different cement type will be used.**
- **1** fracturing stages and **2** acid wash stages required for coverage.
- A minimum of **7** tanks (cleaned lined 500 bbl) of fresh water will be required.

##### **Note:**

- **Use biocide from Nabors/Nalco as applicable in frac tanks**
- **Use only fresh water in order to assure crosslinked fluid performance**
- **Water needs to be at least 65-75°F at pump time**
- Procedure calls for **3** CBP's (**8,000** psi) and **2** CIBP's (**10,000** psi).
- 20/40 mesh Ottawa sand.
- Max Sand Concentration: Green River- Long Point formation: 3 ppg

#### **ON SITE CONSIDERATIONS:**

- Maximum surface pressure **3800 psi**.
- **If casing pressure test fails (pressure loss of 1.5% psi or more), retest for 15 minutes. If pressure loss of 1.5% more on second test, notify Denver engineers. Record in Openwells. MIRU with tubing and packer. Isolate leak by pressure testing above and below the packer. RIH and set appropriate casing leak remediation. Re-pressure test to 1000 for 15 minutes each and to **3800 psi** for 30 minutes (specific details on remediation should be documented in OpenWells).**
- **Remember to pre-load the casing with scale inhibitor from Nalco.**
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Flush volumes are the sum of FR water used during displacement (include scale inhibitor as mentioned above).
- Call flush at 0 PPG @ inline densimeters. Slow to 5 bbl/min over last 10-20 bbls of flush.
- pH should be measured during the treatment in order to make sure acid has been flushed from the treating lines and will not affect the cross-linked gel.
- Multiple test samples will be pulled on the fly to check crosslinked gel.
- Bucket tests should be performed prior to pumping to assure the chemical pumps working and pumping at the desired rate.

#### **PROCEDURE:**

1. MIRU. Kill well as needed. ND WH, NU and test BOPE.
2. POOH w/tubing. Visually inspect for scale and consider replacing tubing if needed.
3. Mill and C/O to 5472'.
4. **PLUG #1- ISOLATE WASATCH PERFORATIONS (5482' – 6087'):** RIH W/ 4 ½" CIBP. SET @ ~ 5452' (~30' above top perfs). Pressure test casing to **3800** psi. Inform engineering if it doesn't test. Dump bail **7 SX/ 0.8 BBL/ 4.4 CUFT** of cement on top of plug. PUH above TOC (~5402", equivalent to 50' COVERAGE).

5. Run CBL. Contact Completions Engineer in Denver office.
6. **PLUG #2 - PROTECT TOP OF WASATCH (4744')**: RIH W/ 4 ½" CIBP. SET @ ~4770' (~30' below top of formation). Pressure test casing to **3800** psi. Inform engineering if it doesn't test. Dump bail **7 SX/ 0.8 BBL/ 4.4 CUFT** of cement on top of plug. PUH above TOC (~4720', equivalent to 50' COVERAGE).
7. ND BOPs and NU frac valves. Test frac valves and casing to 1000 psi for 15 minutes and to **3800** psi for 30 minutes. As per standard operating procedure install steel blowdown line to reserve pit from 4-1/2" X 9-5/8" annulus. Lock **OPEN** the Braden head valve. Annulus will be monitored throughout stimulation. If release occurs, stimulation will be shut down. Well conditions will be assessed and actions taken as necessary to secure the well. UDOGM will be notified if a release to the annulus occurs.
8. Pressure test frac lines to max surface pressure + 1000 psi for 15 minutes. Pressure loss should be less than 10% to be considered acceptable. Check and correct for existing leaks.
9. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:
 

Zone	From	To	spf	# of shots
LONG POINT	4349	4350	3	3
LONG POINT	4394	4396	3	6
LONG POINT	4414	4416	3	6
LONG POINT	4520	4523	3	9
10. Spear head 250 gals of 15% HCl at 5 bpm pumping rate. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 1 on attached listing. Displace with 2913 gal of FR water (volume to top perfs).
11. Set 8000 psi CBP at~4319'. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:
 

Zone	From	To	spf	# of shots	
CARB MARKER		4266	4270	3	12
CARB MARKER		4288	4290	3	6
CARB MARKER		4292	4294	3	6
12. Spear head 250 gals of 15% HCl at 5 bpm pumping rate. Perform acid wash as outlined in Stage 2 on attached listing. Displace with 2858 gal of FR water (volume to top perfs).
13. Set 8000 psi CBP at~4218'. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:
 

Zone	From	To	spf	# of shots	
CARB MARKER		4123	4124	3	3
CARB MARKER		4134	4135	3	3
CARB MARKER		4146	4148	3	6
CARB MARKER		4172	4173	3	3
CARB MARKER		4177	4178	3	3
CARB MARKER		4186	4188	3	6
14. Spear head 250 gals of 15% HCl at 5 bpm pumping rate. Perform acid wash as outlined in Stage 3 on attached listing. Displace with 2762 gal of FR water (volume to top perfs).

15. Set 8000 psi CBP at~4073'.
16. ND Frac Valves, NU and Test BOPs.
17. TIH with 3 7/8" bit, pump off sub, SN and tubing.
18. Drill plugs and clean out to PBTD. Shear off bit and land tubing at ~~±4349'~~ unless indicated otherwise by the well's behavior.
19. Clean out well with foam and/or swabbing unit until steady flow has been established from completion.
20. **Leave surface casing valve open.** Monitor and report any flow from surface casing. RDMO

**GREEN RIVER OIL WELL OPERATING PROCEDURE:**

The Green River oil wells will be produced and treated in the following manner. Oil, water and gas will flow to surface treating facilities where it will be separated. The oil and water will then flow to storage tanks. Gas will flow in to the gathering system; which has a nominal operating pressure of ~120 psig. If gas line pressure increases above the 120 psig range the gas will flow to a compressor and be compressed to line pressure. If the compressor is down due to mechanical problems or line pressure is out of range for the compressor, gas will flow to a flare and be burned on site. If no compressor is installed then gas will be flared when pressure is greater than 120 psig.

NOTES:

If using any chemicals for pickling tubing or H2S Scavenging, have MSDS for all chemicals prior to starting work

Verify that the Braden head valve is locked **OPEN**.

Key Contact information

Completion Engineer

Patricia Cuba: 303/601-7259, 720/929-6348

Production Engineer

Jesse Markeveys: 215/380-0781, 435/781-7055

Brad Laney: 435/781-7031, 435/828-5469

Completion Supervisor Foreman

Jeff Samuels: 435/828-6515, 435/781-7046

Completion Manager

Jeff Dufresne: 720/929-6281, 303/241-8428

Vernal Main Office

435/789-3342

Emergency Contact Information—Call 911

Vernal Regional Hospital Emergency: 435-789-3342

Police: (435) 789-5835

Fire: 435-789-4222



Fracturing Schedules		Casing Size	
Name	NEU 307-6E	Recompleter?	4.5
Slickwater Frac			Y
Copy to new book			N
		Pad?	N
		ACTS?	N
		Plug back required?	Y
		CBL required?	Y

Enter Number of swabbing days here for recompletes	1
Enter 1 if running a Production Log	0
Enter Number of DFTTs	0
Enter Y if only Gamma Ray log was run	N
Enter Y if a LOW concentration of Scale Inhibitor will be pumped	N
Enter N if there will be NO Clay stabilizer	Y

Stage	Zone	Perfs		Rate BPM	Fluid Type	Initial ppg	Final ppg	Fluid	Volume gals	Cum Vol gals	Volume BBLs	Cum Vol BBLs	Fluid % of frac	Sand % of frac	Sand lbs	Cum. Sand lbs	Footage from CBP to Flush	Scale Inhib., gal.
		Top, ft.	Bot. ft.															
1	LONG POINT	4349	4350	3	Load Casing			Slickwater	2,913	2,913	69	69	69	3.5%				1
	LONG POINT	4394	4396	6	Acid			Acid	250	250	6	75	75	0.3%				2
	LONG POINT	4414	4416	6	50 Slickwater Pad			Slickwater	7,283	10,447	173	249	249	8.7%				1
	LONG POINT	4520	4523	9	50 Xlinked Spacer		0	Xlinked gel	4,370	14,817	104	353	353	5.2%				1
	LONG POINT				50 Xlinked gel + 0.5 ppg 20/40 sand		0.5	Xlinked gel	18,900	33,717	450	803	803	22.3%	10.0%	9,450		5
	LONG POINT				50 Xlinked gel + 1 ppg 20/40 sand		1	Xlinked gel	23,625	57,342	593	1,365	1,365	28.1%	25.0%	23,625		6
	LONG POINT				50 Xlinked gel + 2 ppg 20/40 sand		2	Xlinked gel	18,900	76,242	450	1,815	1,815	22.2%	40.0%	37,800		5
	LONG POINT				50 Xlinked gel + 3 ppg 20/40 sand		3	Xlinked gel	7,875	84,117	188	2,003	2,003	9.4%	25.0%	94,500		2
					50 Flush to Top Perf (+5 bbls)			Slickwater	2,913	87,030	69	2,072	2,072					0
																		21
Totals		# of Perfs/stage	24	41.4	<< Above pump time (min)				Total Fluid	87,030 gals			Flush depth 4,349		CBP depth 4,319	94,500	30	
			24							2,072 bbls				Total Sand				
				0.7						4.6 pints								21

Service Company Supplied Chemicals - Job Totals			
Friction Reducer	13	gals @	1.0
Surfactant	87	gals @	1.0
Clay Stabilizer	43	gals @	0.5
Bioicide	22	gals @	0.25
Scale Inhibitor	21	gals @	0.25
Crosslinker	59	gals @	0.8
pH Control	59	gals @	0.8
Gelling agent	332	gals @	4.5
Breaker 1	74	gals @	1.0
Breaker 2	2	gals @	2.0
Iron Control for acid	1	gals @	4.0
Corrosion inhibitor for acid	1	gals @	4.0
Surfactant for acid	0	gals @	1.0

Service Company Supplied Chemicals  
Third Party Chemicals

## Fracturing Schedules

Name	NBU 307-6E

Copy to new book

Name	NBU
Slickwater Frac	

Casing Size	4.5
Recomplete?	Y
Pad?	N
ACTS?	N
Plug back required?	N
CBI required?	N

Swabbing Days	1
Production Log	0
DFIT	0
GR only	N
Low Scale	Y
Clav Strab	Y

Stage	Zone	Perfs		SPF	Holes	Rate BPM	Fluid Type	Initial ppg	Final ppg	Fluid	Volume gals	Cum Vol gals	Volume BBLs	Cum Vol BBLs	Fluid % of frac	Sand % of frac	Sand lbs	Cum. Sand lbs	Footage from CBP to Flush	Scale Inhib., gal.
		Top, ft.	Bot. ft.																	
2	CARB MARKER	4286	4270	3	12	Varied	Lead & Break			Slickwater + 250 gal Acid	2,858	2,858	68	68	38.9%					1
	CARB MARKER	4288	4290	3	6	20	Acid Wash			15% HCl Acid	7,358	7,358	107	173	61.2%					0
	CARB MARKER	4292	4294	3	6	10	Flush to Top Perf			Slickwater	2,858	10,216	68	243						1
	CARB MARKER																			
	CARB MARKER																			
	CARB MARKER																			
		# of Perfs/stage			24	36.5	<< Above pump time (min)				2,762	2,762	66	66	22.9%		CBP depth 4,218		48	
3	CARB MARKER	4123	4124	3	3	Varied	Lead & Break			Slickwater + 250 gal Acid	2,762	2,762	66	66	22.9%					1
	CARB MARKER	4134	4135	3	2	20	Acid Wash			15% HCl Acid	9300	12,062	221	287	77.1%					0
	CARB MARKER	4146	4148	3	6	10	Flush to Top Perf			Slickwater	2,762	14,824	66	353						0
	CARB MARKER	4172	4173	3	3															
	CARB MARKER	4177	4178	3	3															
	CARB MARKER	4186	4188	3	6															
		# of Perfs/stage			24	52.9	<< Above pump time (min)				Total Fluid	25,040 gals			Flush depth 4,123		CBP depth 4,073		50	
Totals					48							596 bbls		243 bbls		Total Sand		0		

Total Stages	2	stages
Xlinked stages	0	stages
Total Slickwater	10,740	gallons
Total Xlinked gel	0	gallons
Total Acid	14,300	gallons
1100-mesh sand		0 lbs
Total 20/40 sand		0 lbs

Service Company Supplied Chemicals - Job Totals			
Friction Reducer	11	gals @	1.0
Surfactant	11	gals @	1.0
Clay Stabilizer	5	gals @	0.5
Bloodie	3	gals @	0.30
Scale Inhibitor	3	gals @	0.30
Crosslinker	0	gals @	0.8
pH Control	0	gals @	0.8
Gelling agent	0	gals @	4.5
Breaker 1	0	gals @	1.0
Breaker 2	0	gals @	2.0
Iron Control for acid	57	gals @	4.0
Corrosion Inhibitor for acid	57	gals @	4.0
Surfactant for acid	14	gals @	1.0
Service Company Supplied Chemicals			
Thirt Pany/Chemicals			

Name NBU 307-6E

## Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes		Fracture Coverage		
		Top, ft	Bottom, ft						
1	LONG POINT	4349	4350	3	3		4347	to	4525
	LONG POINT	4394	4396	3	6				
	LONG POINT	4414	4416	3	6				
	LONG POINT	4520	4523	3	9				
	LONG POINT								
	LONG POINT								
	LONG POINT								
	# of Perfs/stage				24		CBP DEPTH	4,319	
	Totals				24				Total

Stage	Zones	Perforations		SPF	Holes		Fracture Coverage		
		Top, ft	Bottom, ft						
2	CARB MARKER	4266	4270	3	12		4265	to	4294
	CARB MARKER	4288	4290	3	6				
	CARB MARKER	4292	4294	3	6				
	CARB MARKER								
	CARB MARKER								
	CARB MARKER								
	CARB MARKER								
	# of Perfs/stage				24		CBP DEPTH	4,218	
3	CARB MARKER	4123	4124	3	3		4122	to	4189
	CARB MARKER	4134	4135	3	3				
	CARB MARKER	4146	4148	3	6				
	CARB MARKER	4172	4173	3	3				
	CARB MARKER	4177	4178	3	3				
	CARB MARKER	4186	4188	3	6				
	CARB MARKER								
	# of Perfs/stage				24		CBP DEPTH	4,073	
	Totals				48				Total

Acid Pickling and H2S Procedures (If Required)

**\*\*PROCEDURE FOR PUMPING ACID DOWN TBG**

WHEN FINDING SCALE IN TUBING THAT IS ACID SOLUBLE, ENSURE THAT PLUNGER EQUIPMENT IS REMOVED AND ABLE TO PUMP DOWN TBG. INSTALL A 'T' IN PUMP LINE W/2" VALVE THAT NALCO CAN TIE INTO. HAVE 60 BBL 2% KCL MIXED W/ 10-15 GAL H2S SCAVENGER IN RIG FLAT TANK. (WE USED THE RIG FLAT TANK FOR MIXING CHEMICAL SO WE DIDN'T HAVE THE CHEMICAL IN ALL FLUIDS ON LOCATION, ONLY WHAT WE NEEDED TO PUMP DOWN HOLE)

1. PUMP 5-10 BBL 2% KCL DOWN TBG (NALCO CANNOT PUMP AGAINST PRESSURE)
2. NALCO WILL PUMP 3 DRUMS HCL (31%) INTO PUMP LINE.
3. FLUSH BEHIND ACID WITH 10-15 BBL 2% KCL
4. PUMP 2—30 BBL 2% W/ H2S SCAVENGER DOWN TBG.
5. PUMP REMAINDER OF 2% W/ H2S SCAVENGER DOWN CASING AND SHUT WELL IN FOR MINIMUM OF 2 HRS.
6. OVER DISPLACE DOWN TBG AND CSG TO FLUSH ACID AND SCAVENGER INTO FORMATION
7. MONITOR TUBING FOR FLOW AND CASING FOR H2S NOW AS POOH W/ TUBING.

**\*\* PROCEDURE FOR PUMPING H2S SCAVENGER WITHOUT ACID**

PRIOR TO RIG MOVING ON OR AS RIG PULLS ONTO LOCATION. TEST CASING, TUBING AND SEPARATOR FOR H2S. IF FOUND MAKE SURE THAT PLUNGER SYSTEM IS REMOVED (IT IS POSSIBLE TO PUMP AROUND PLUNGERS BUT SOME WILL HAVE A STANDING VALVE IN SEATING NIPPLE).

1. MIX 10-15 GAL H2S SCAVENGER WITH 60-100 BBL 2% KCL IN RIG FLAT TANK.
2. PUMP 25 BBL MIXTURE DOWN TUBING AND REST DOWN CASING. SHUT WELL IN FOR 2 HOURS.
3. IF WELL HAS PRESSURE AFTER 2 HOURS – RETEST CASING AND TUBING FOR H2S.
4. FLUSH TUBING AND CASING PUSHING H2S SCAVENGER INTO FORMATION.
5. MONITOR TUBING FOR FLOW AND CASING FOR H2S NOW AS POOH W/ TUBING.

\*\* As per APC standard operating procedure, APC foreman will verify ALL volumes pumped and record on APC Volume Report Form

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-1791
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>8. WELL NAME and NUMBER:</b> NBU 307-6E
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1979 FSL 2000 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSE Section: 06 Township: 10.0S Range: 21.0E Meridian: S		<b>9. API NUMBER:</b> 43047320140000
<b>PHONE NUMBER:</b> 720 929-6514		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>COUNTY:</b> UTAH		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 7/2/2013	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> CHANGE WELL NAME	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  The operator has abandoned the existing Wasatch formation and recompleted the subject well in the Green River formation. This change has moved the well from the Natural Buttes Unit to the Maverick Unit UTU88574X, approval order No. 197-013 on July 25, 2012. The subject well returned to production on 7/2/2013. The details of the recompletion and initial production rates will be included with the well completion report.		
Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> July 08, 2013		
<b>NAME (PLEASE PRINT)</b> Teena Paulo	<b>PHONE NUMBER</b> 720 929-6236	<b>TITLE</b> Staff Regulatory Specialist
<b>SIGNATURE</b> N/A	<b>DATE</b> 7/5/2013	

Form 3160-4  
(March 2012)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0137  
Expires: October 31, 2014

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other										6. If Indian, Allottee or Tribe Name									
b. Type of Completion: <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input checked="" type="checkbox"/> Diff. Resvr.,										7. Unit or CA Agreement Name and No. UTU88574X									
Other: RECOMPLETION										8. Lease Name and Well No. NBU 307-6E									
2. Name of Operator KERR MCGEE OIL & GAS ONSHORE, L.P.										9. API Well No. 4304732014									
3. Address PO BOX 173779 DENVER, CO 80217										3a. Phone No. (include area code) 720-929-6000									
4. Location of Well (Report location clearly and in accordance with Federal requirements)*  At surface NWSW 2000 FEL 1979 FSL S6, T10S, R21E  At top prod. interval reported below  At total depth										10. Field and Pool or Exploratory NATURAL BUTTES 11. Sec., T., R., M., on Block and Survey or Area SEC 6, T10S, R21E SLB									
14. Date Spudded 06/28/1991										15. Date T.D. Reached 07/10/1991									
16. Date Completed 07/02/2013 <input type="checkbox"/> D & A <input type="checkbox"/> Ready to Prod.										17. Elevations (DF, RKB, RT, GL)* 4988 GR									
18. Total Depth: MD 6491 TVD										19. Plug Back T.D.: MD 6219 TVD									
20. Depth Bridge Plug Set: MD 5452 & 4770 TVD										21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CBL/VDL/GR/CCL-FDC/CNL/GR-DLL/GR/CALIPER									
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit copy)																			
23. Casing and Liner Record (Report all strings set in well)																			
Hole Size		Size/Grade		Wt. (#/ft.)		Top (MD)		Bottom (MD)		Stage Cementer Depth		No. of Sk. & Type of Cement		Slurry Vol. (BBL)		Cement Top*		Amount Pulled	
12.25		9.625 J-55		32.3				232				25				0			
7.875		4.5 I-80		10.5				6306				1200				2074			
24. Tubing Record																			
Size		Depth Set (MD)		Packer Depth (MD)		Size		Depth Set (MD)		Packer Depth (MD)		Size		Depth Set (MD)		Packer Depth (MD)			
2.375		4568																	
25. Producing Intervals																			
Formation				Top		Bottom		Perforated Interval				Size		No. Holes		Perf. Status			
A) CARB MARKER				4117		4289		4117-4289				0.36		54		OPEN			
B) LONG POINT				4344		4519		4344-4519				0.36		24		OPEN			
C)																			
D)																			
27. Acid, Fracture, Treatment, Cement Squeeze, etc.																			
Depth Interval				Amount and Type of Material															
4117-4188				PUMP 249 BBLS ACID & 93 BBLS SLICKWATER															
4259-4289				PUMP 111 BBLS ACID & 98 BBLS SLICKWATER															
4344-4519				PUMP 1865 BBLS X LINK GEL, 6 BBLS ACID, 261 BBLS SLICKWATER & 100,240 LBS 20/40 OTTAWA SAND															
28. Production - Interval A																			
Date First Produced		Test Date		Hours Tested		Test Production		Oil BBL		Gas MCF		Water BBL		Oil Gravity Corr. API		Gas Gravity		Production Method	
7/2/2013		7/16/201		24		➡		3		3		0						PUMPING	
Choke Size		Tbg. Press. Flwg. SI		Csg. Press.		24 Hr. Rate		Oil BBL		Gas MCF		Water BBL		Gas/Oil Ratio		Well Status			
38/64		0		0		➡		3		3		0				PRODUCING			
28a. Production - Interval B																			
Date First Produced		Test Date		Hours Tested		Test Production		Oil BBL		Gas MCF		Water BBL		Oil Gravity Corr. API		Gas Gravity		Production Method	
						➡													
Choke Size		Tbg. Press. Flwg. SI		Csg. Press.		24 Hr. Rate		Oil BBL		Gas MCF		Water BBL		Gas/Oil Ratio		Well Status			
						➡													

\*(See instructions and spaces for additional data on page 2)

RECEIVED: Aug. 01, 2013



**CONFIDENTIAL**

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

## 29. Disposition of Gas (Solid, used for fuel, vented, etc.)

SOLD

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				BIRD'S NEST	1600
				MAHOGANY	2074
				DOUGLAS CREEK	3781
				CARB MARKER	4120
				LONG POINT	4295
				UTELAND BUTTE	4608
				WASATCH	4744

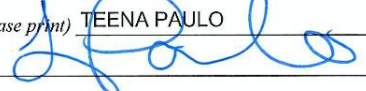
## 32. Additional remarks (include plugging procedure):

Attached is the recompletion history and perforation report. The well was originally completed as a gas well in the Wasatch formation from 5482-6087. A CIBP was set @ 5452 and dump bail 7 sx cement on top and another CIBP was set at 4770 and dump bail 7 sx cement on plug to complete isolate the Wasatch formation. The well was recompleted as an oil well in the Carb Marker and Long Point formations.

## 33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☐ Directional Survey
 ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other:

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) TEENA PAULO  
 Signature 

Title STAFF REGULATORY SPECIALIST  
 Date 7/26/13

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

(Form 3160-4, page 2)

RECEIVED: Aug. 01, 2013

US ROCKIES REGION  
Operation Summary Report

Well: NBU 307-6E				Spud Date:					
Project: UTAH-UINTAH			Site: NBU 307-6E				Rig Name No: MONUMENT 733/733		
Event: RECOMPL/RESEREVEADD			Start Date: 5/22/2013					End Date:	
Active Datum: RKB @0.00usft (above Mean Sea Level)				UWI: NBU 307-6E					
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation	
5/22/2013	7:00 -							REMOVE PRODUCTION FACILITIES TO PREPARE LOCATION FOR PAD DRILLING	
5/31/2013	7:00 - 7:15	0.25	SUBSPR	48		P		SAFETY= JSA.	
	7:15 - 9:00	1.75	SUBSPR	30		P		FINISH RDMO STATE 921-32L. ROAD RIG TO LOCATION AND SPOT IN. TOO WINDY FOR R/U. WAIT FOR WIND TO DIE DOWN.	
	9:00 - 13:00	4.00	SUBSPR	46	C	W		SICP= 1400#. SITP= 5#. R/U. BLOW/DOWN WELL. PUMP 30BBL TMAC DOWN TBNG TO MAKE SURE NO TOOLS LEFT IN THE HOLE. CONTROL CSNG W/ 10BBLs TMAC. NDWH. NUBOP. R/U FLOOR. UN-LAND WELL. MIRU SCANNERS. POOH WHILE SCANNING 197JTS 2-3/8" J-55 TBNG. RESULTS AS FOLLOWS:	
	13:00 - 18:00	5.00	SUBSPR	30		P		144JTS 2-3/8" YELLOW BAND TBNG. 53JTS 2-3/8" RED BAND TBNG. BAD TBNG MOSTLY FROM JT#141 TO JT#197. MOSTLY PITTING, COROSION AND SOME BAD PINS. LIGHT EXTERNAL SCALE ON LAST 15JTS.	
6/3/2013	7:00 - 7:15	0.25	SUBSPR	48		P		RDMO SCANNERS. SWIFN. SAFETY = JSA.	
	7:15 - 17:00	9.75	SUBSPR	34		P		SICP= 300#. BLOW/DOWN WELL. CNTRL CSNG W/ 30BBLs TMAC. MIRU WIRELINE. RUN #1) RIH W/ 3.875" GR/JB TO 6000'. POOH. L/D GR/JB. RUN #2) RIH W/ 4-1/2" HAL 10K CIBP. SET @ 5452'. POOH W/ TOOLS. LOAD CSG W/ 40BBLs TMAC. RUN #3) RIH W/ LOGGING TOOLS. RUN CBL FROM 5452' BACK TO SURFACE. RUN #4,5,6) RIH & DUMP BAIL 7SX CMT ON CIBP. ESTIMATED TOC @5402'. POOH. L/D DUMP BAILER. RUN #7) RIH W/ 4-1/2" HAL 10K CIBP. SET @ 4770'. POOH W/ TOOLS. RUN #8,9,10) RIH & DUMP BAIL 7SX CMT ON CIBP. ESTIMATED TOC @4720' POOH.L/D DUMP BAILER.	
	17:00 - 18:30	1.50	SUBSPR	52	B	P		RDMO WIRELINE. R/D FLOOR. NDBOP. NUFV. MIRU CAMERON P/T TRUCK. P/T 4-1/2" CSNG & FRAC VALVE AS FOLLOWS: TEST #1) P/T @ 1000PSI FOR 15MIN. LOST 17PSI. TEST GOOD. TEST #2) P/T @ 3800PSI FOR 30MIN. LOST 52 PSI. TEST GOOD.  RDMO TESTER. SWIFN.	



US ROCKIES REGION  
Operation Summary Report

Well: NBU 307-6E				Spud Date:					
Project: UTAH-UINTAH			Site: NBU 307-6E				Rig Name No: MONUMENT 733/733		
Event: RECOMPL/RESEREVEADD			Start Date: 5/22/2013				End Date:		
Active Datum: RKB @0.00usft (above Mean Sea Level)				UWI: NBU 307-6E					
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation	
6/6/2013	7:00 - 10:00	3.00	SUBSPR	51	B	P		RU SCHLUMBERGER, HELD SM LEASE ROADS CEMENTED SURFACE CSG AS LISTED BELOW PRESS TEST TO 2000 GOOD FILLED WELL WITH 5 BLS FRESH PUMPED 10 BBLS FRESH 30 BBLS FLUID LOSS 10 BBLS FRESH 20 BBLS CALCIUM CHLORIDE 10 BBLS FRESH 20 BBLS ZONE LOCK 375 SKS CEMENT, 140 BBLS THIXOTROPIC CEMENT MIXED @ 12.5 PPG FLUSHED WITH 3 BBLS FINAL ENDING PUMP PRESSURE 0 SWI	
6/12/2013	7:00 - 9:00	2.00	SUBSPR	37		P		PERF STG 1)PU 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. RIH PERFWELL, AS PER PERF DESIGN. POOH. SWFW	
6/13/2013	6:45 - 7:00	0.25	FRAC	48		P		HELD SAFETY MEETING: SAND & ACID	

US ROCKIES REGION  
Operation Summary Report

Well: NBU 307-6E			Spud Date:		
Project: UTAH-UINTAH		Site: NBU 307-6E		Rig Name No: MONUMENT 733/733	
Event: RECOMPL/RESEREVEADD		Start Date: 5/22/2013		End Date:	
Active Datum: RKB @0.00usft (above Mean Sea Level)			UWI: NBU 307-6E		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	7:00 - 15:00	8.00	FRAC	36	B			<p>RU FRAC &amp; WL CREWS PRESSURE TESTED 4800 PSI LOST 300 PSI 10 MIN</p> <p>WELLHEAD PRESSURE 0 LOAD WELL 11 BBLS BREAK @ 1804 PSI ISIP 1467</p> <p>.77 FRAC GRADIENT. PUMPED 6 BBLS 15% ACID, 209 BBLS SLICK WATER PAD</p> <p>135 BBLS XL SPACER, 463 BBLS, XL SAND .5#, 559 BBLS XL SAND 1#</p> <p>436 BBLS XL SAND 2#, 272 BBLS XL SAND 3# , FLUSHED WITH 74 BBLS</p> <p>SLICKWATER, FINAL ISIP 1990 .89 FG, MAX PR 3518, MR 48.7, AP 3071</p> <p>AR 40.7 TOTAL BBLS 2147 TOTAL SAND 100,250 #</p> <p>NET PRES 523</p> <p>HOLES OPEN 20/24 83% SWI X-OVER FOR WL LOAD 2147</p> <p>PERF STG 2)PU 4 1/2 8K HAL CBP &amp; 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 4320' P/U PERF AS PER PERF DESIGN. POOH. X-OVER FOR FRAC CREW</p> <p>ACIDIZE STG 2)WHP 95 PSI, BRK 3696 PSI @ 1.2 BPM. ISIP DIDN'T GET</p> <p>ISIP 1889 PSI, FG .88, 5 MIN SHUT IN PSI. 1802 MP 3816 PSI, MR 16.3 BPM, AP 2948 PSI, AR 5.2 BPM</p> <p>PUMPED 208 BBLS TOTAL FLUID 109 BBLS ACID WITH 16 FRAC BALLS</p> <p>DIDN'T SEE ANY BALL ACTION LOAD WATER TO RECOVER 208 BBLS</p> <p>X-OVER FOR WL</p> <p>PERF STG 3)PU 4 1/2 8K HAL CBP &amp; 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 4218' P/U PERF AS PER PERF DESIGN. POOH. X-OVER FOR FRAC CREW</p> <p>ACIDIZE STG 3)WHP 1531 PSI, BRK 1988 PSI @ 3.2 BPM. ISIP 1797 PSI, FG .87. PUMPED 341 TOTAL BBLS 248 BBLS ACID</p> <p>ISIP 1263 PSI, FG .74, NPI 535 PSI.</p> <p>MP 3911 PSI, MR 19.1 BPM, AP 1880 PSI, AR 12.5 BPM</p> <p>LOAD WATER TO RECOVER 341 BBLS</p> <p>RD FRAC &amp; WL CREWS TURNED WELL OVER TO FLOW WATCHERS</p> <p>Total Slickwater452</p> <p>Total Acid 366</p> <p>Total X-Link 1865</p> <p>SAFETY = JSA.</p>
6/15/2013	7:00 - 7:15	0.25	DRLOUT	48		P		
	7:15 - 11:30	4.25	DRLOUT	30	G			<p>ROAD RIG FROM NATURAL COTTON 23-18. W/O PIPE TRAILER TO BE DELIVERED BEFORE WE COULD RIG UP. LOCATION VERY TIGHT.</p>



US ROCKIES REGION  
Operation Summary Report

Well: NBU 307-6E				Spud Date:				
Project: UTAH-UINTAH			Site: NBU 307-6E				Rig Name No: MONUMENT 733/733	
Event: RECOMPL/RESERVEADD			Start Date: 5/22/2013				End Date:	
Active Datum: RKB @0.00usft (above Mean Sea Level)				UWI: NBU 307-6E				
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	11:30 - 15:00	3.50	DRLOUT	30		P		SICP= 600#. OPEN WELL TO FLOWBACK TANK. WELL FLOWED FOR 45 MIN. BROUGHT BACK 15BBLS FLUID. NO OIL, LIGHT GAS. NDFV, NUBOP. P/U & RIH W/ POBS EQUIPED W/ SLIDING SLEAVE ASSEMBLY ( FLOWBACK POSITION) + 3-7/8" ROCK BIT + 128JTS 2-3/8" J-55 TBNG. EOT @4119'
	15:00 - 17:00	2.00	DRLOUT	43		P		NOTE: FLUID PH = 6 R/U SWAB EQUIP & BEGIN SWABBING. PULL 12 SWAB RUNS AS FOLLOWS:  STARTING FLUID LEVEL @ SURFACE W/ 0 PSI ON CSNG. NO OIL, LIGHT GAS. LAST RUN #12 FLUID LEVEL WAS @2700' W/ 10 PSI ON CSNG. RECOV 115 BBLS TOTAL FLUID. LAST 3 RUNS %25 - %35 OIL CUT. PROGRESSIVELY GETTING MORE OIL CUT. MODERATE GAS.  SPOT 15GAL DIESEL DOWN TBNG. SWIFN. CONT SWAB TEST MONDAY AM.  NOTE: OIL IS BROWN IN COLOR AND NOT TYPICAL BLACK WAX. SAMPLE GATHERED AND WILL BE SUBMITTED. SAFETY = JSA.
6/17/2013	7:00 - 7:15	0.25	DRLOUT	48		P		
	7:15 - 8:30	1.25	DRLOUT	30		P		SICP= 64#. SITP= 100#. RIG CREW X/O SAND LINE PACK OFF W/ NEW ONE.

US ROCKIES REGION									
Operation Summary Report									
Well: NBU 307-6E					Spud Date:				
Project: UTAH-UINTAH			Site: NBU 307-6E			Rig Name No: MONUMENT 733/733			
Event: RECOMPL/RESEREVEADD			Start Date: 5/22/2013				End Date:		
Active Datum: RKB @0.00usft (above Mean Sea Level)				UWI: NBU 307-6E					
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation	
	8:30 - 15:45	7.25	DRLOUT	42		P		BLOW/DOWN TBNG TO FLOWBACK TANK. R/U SWAB EQUIP. RIH. STACK OUT ON WAX PLUG @ 1700'. TRY TO WORK THRU WAX ( NO LUCK). POOH W/ SWAB CUPS. SPOT 15GAL DIESEL DOWN TBNG. RIH W/ SINKER BAR & TRY TO WORK THRU PLUG (NO LUCK). R/U PUMP AND PUMP SINKER BAR THRU PLUG W/ 9BBLs TMAC. WORK SINKER BAR THRU STICKY ZONE. POOH W/ SINKER BAR. RIH & BEGIN SWABBING. RESULTS AS FOLLOWS:  RUN #   FLUID LEVEL   FLUID RECOVERED   OIL CUT   CSNG   1 1700' 8BBLs %30 64# 2 2100' 7BBLs %30 58# 3 2300' 5BBLs %30 47# 4 2600' 4BBLs %5 38# 5 2600' 4BBLs TRACE 38# 6 2700' 3BBLs TRACE 40# 7 3400' 1BBL TRACE 40# 8 3700' 5GAL TRACE 40# 1HR WAIT BETWEEN RUNS 9 3700' DRY 41# 1HR WAIT BETWEEN RUNS 10 3700' DRY 43# 1HR WAIT BETWEEN RUNS	
	15:45 - 17:00	1.25	DRLOUT	30		P		RECEIVE ORDERS TO D/O #2 CBP. R/D SWAB EQUIP. R/U TBNG EQUIP. P/U 4JTS 2-3/8" J-55 TBNG. RIH & T/U ON CBP @ 4218'. L/D 1JT. R/U POWER SWIVEL & HANG BACK IN THE DERRICK. R/U PUMP LINES. PREP FOR D/O IN THE AM. SAFETY = JSA.	
6/18/2013	7:00 - 7:15	0.25	DRLOUT	48		P		SICP= 15#. SITP= 0#. OPEN TBNG. MIRU SLK LINE. RIH & PLUCK FLOWBACK SLIDING SLEEVE. POOH. RIH & SWT D/O SLIDING SLEEVE. POOH. R/D SLK LINE.	
	7:15 - 8:30	1.25	DRLOUT	35		P		FINISH R/U POWER SWIVEL. P/U 1JT 2-3/8" J-55 TBNG. MIRU FOAM / AIR UNIT. BREAK CIRC IN 20MIN. D/O CBP @4218' IN 9MIN. 0# DIFF PRESSURE. CONT RIH W/ TOTAL OF 135 JTS TO CBP @4319'. DID NOT DRILL ON CBP. P/U 5' AND CIRC WELL CLEAN FOR 30MIN. PUMP 20BBL TMAC TOP KILL DOWN TBNG. R/D POWER SWIVEL. POOH WHILE L/D 3JTS 2-3/8" J-55 TBNG. LAND WELL EOT @4248'.	
	8:30 - 11:20	2.83	DRLOUT	30		P		R/U SLK LINE AGAIN. RIH W/ SLK LINE & PLUCK D/O SLIDING SLEEVE. POOH. RIH W/ FLOWBACK SLIDING SLEEVE. POOH W/ SLK LINE. RDMO SLK LINE.	
	11:20 - 12:30	1.17	DRLOUT	35		P			

7/30/2013

1:40:59PM

5



US ROCKIES REGION  
Operation Summary Report

Well: NBU 307-6E

Spud Date:

Project: UTAH-UINTAH

Site: NBU 307-6E

Rig Name No: MONUMENT 733/733

Event: RECOMPL/RESERVEADD

Start Date: 5/22/2013

End Date:

Active Datum: RKB @0.00usft (above Mean Sea Level)

UWI: NBU 307-6E

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	12:30 - 16:00	3.50	DRLOUT	42		P		L/D TBNG EQUIP. R/U SWAB EQUIP. BEGIN SWABBING. INITIAL FLUID LEVEL @2500' & 0# ON CSNG. CONT TO SWAB AS FOLLOWS:  MAKE 15 TOTAL SWAB RUNS. RECOVER 15BBLs TOTAL FLUID. LAST FLUID LEVEL @3800'. WELL SWABBED DRY. ONLY SPECS OF OIL IN LAST 4 RUNS. STARTING SICP= 0#. ENDING SICP= 34#.
6/19/2013	7:00 - 7:15	0.25	DRLOUT	48		P		SWFBN. WILL MAKE FLUID LEVEL RUN IN THE AM. SAFETY= JSA
	7:15 - 8:30	1.25	DRLOUT	30		P		SICP= 50#. SITP= 0#. R/U SWAB EQUIP. PULL 2 DRY SWAB RUNS. FLUID LEVEL @ 3700'. REPORT FINDINGS TO ENGINEERING. WAIT ON ORDERS.
	8:30 - 10:30	2.00	DRLOUT	46		S		
	10:30 - 12:30	2.00	DRLOUT	30		P		MAKE PREPERATIONS TO D/O NEXT CBP. R/D SWAB EQUIP. R/U TBNG EQUIP. RIH W/ TOTAL OF 135JTS 2-3/8" J-55 TBNG. T/U ON CBP @ 4319'. L/D 1JT. R/U POWER SWIVEL AND HANG BACK IN DERRIK.
	12:30 - 13:30	1.00	DRLOUT	35		P		MIRU SLK LINE. RIH & PLUCK FLOWBACK SLIDING SLEEVE. POOH & L/D TOOL. P/U RIH W/ D/O SLIDING SLEEVE & INSTALL IN THE POBS. RDMO SLK LINE.
	13:30 - 18:00	4.50	DRLOUT	30		P		FINISH R/U POWER SWIVEL. MIRU FOAM / AIR UNIT. BREAK CIRC W/ FOAMER IN 20MIN. D/O CBP @4319' IN 11MIN W/ 300PSI DIFFERENTIAL PRESSURE. FINISH RIH W/ TOTAL OF 147 JTS 2-3/8" J-55 TBNG. C/O TO PBTD @4720'. CIRC WELL CLEAN FOR 30MIN. RDMO FOAM / AIR UNIT. PUMP 10BBL TMAC TOP KILL DOWN TBNG. L/D 12JTS TBNG NOT NEEDED FOR PRODUCTION. REMOVE STRING FLOAT. TOP KILL DOWN TBNG KILLED THE WELL. SPOKE W/ ENGINEERING AND THEY DECIDED TO LET IT FLOW UP THE CSNG OVER NIGHT IF IT WOULD. SDFN.  NOTE: THE WELL DID START FLOWING UP THE CSNG AS WE WERE PICKING UP TOOLS. WHILE D/O WE DID NOT SEE OIL IN THE RETURNS. SAFETY = JSA.
6/20/2013	7:00 - 7:15	0.25	DRLOUT	48		P		
	7:15 - 11:00	3.75	DRLOUT	30		P		FCP= 40#. TP=200#. BLOW DOWN TBNG. STRIP IN TBNG HANGER. LAND WELL ON HANGER. R/D FLOOR & TBG EQUIP. NDBOP. NUWH. R/U FLOW LINES OFF THE TBNG. LAND WELL AS FOLLOWS:  KB= 15.00' HANGER= .83' 135JTS 2-3/8" J-55 TBNG = 4328.09' POBS W/ FLOW BACK SLIDING SLEEVE INSTALLED = 2.20' 3-7/8" ROCK BIT= .60' EOT @4346.72'  NOTE: BIT STILL ON POBS.

7/30/2013

1:40:59PM

6



US ROCKIES REGION  
Operation Summary Report

Well: NBU 307-6E				Spud Date:				
Project: UTAH-UINTAH			Site: NBU 307-6E				Rig Name No: MONUMENT 733/733	
Event: RECOMPL/RESEREVEADD			Start Date: 5/22/2013				End Date:	
Active Datum: RKB @0.00usft (above Mean Sea Level)			UWI: NBU 307-6E					
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	11:00 - 12:00	1.00	DRLOUT	35		P		MIRU SLK LINE. RIH W/ RETREIVING TOOL & PLUCK D/O SLIDING SLEEVE. POOH & L/D SLIDING SLEEVE. P/U & RIH W/ FLOWBACK SLIDING SLEEVE. SHEAR OFF SLEEVE. POOH W/ SLK LINE. RDMO SLK LINE.  RDMOL. WELL TURNED OVER TO FLOWBACK. FTP= 90#. SICP= 350#. STRONG GAS. TRACES OF OIL.
6/29/2013	-							
7/15/2013	7:00 - 7:15	0.25	DRLOUT	48		P		SAFETY = JSA.
	7:15 - 15:00	7.75	DRLOUT	30		P		SICP= 720#. TP= 60#. MIRU. BLOW DOWN WELL TO PRODUCTION TANKS. CONTROL WELL W/ 40BBLs TMAC DOWN THE TBNG. X/O PIPE RAMS ON BOP BACK TO 2-3/8". NDWH. NUBOP. R/U FLOOR. UN-LAND WELL. REMOVE HANGER. P/U & RIH W/ 12JTS 2-3/8" J-55 TBNG. T/U @4720' PBTD. L/D 5JTS TBNG NOT NEEDED FOR PRODUCTION. POOH W/ 142JTS TBNG & POBS. L/D POBS. RIH W/ PRODUCTION TBNG AS FOLLOWS:  KB = 15.00' HANGER = .83' 141JTS 2-3/8" J-55 Y-BND TBNG =4514.85' PSN = 1.10' 1JT 2-3/8" J-55 Y-BND TBNG = 31.62' PERF SUB 2-3/8" J-55 = 4.06' PINNED NOTCH COLLAR = .43'  EOT @4567.89' PSN @4530.68'  LAND WELL ON HANGER. R/D FLOOR. NDBOP. NUWH.
	15:00 - 17:00	2.00	DRLOUT	39		P		X/O TO ROD EQUIP. P/U INSERT PUMP. PRIME / STROKE TEST PUMP GOOD. RIH W/ PUMP + BACK OFF TOOL + STAB BAR + 6) 1-1/4" SINKER BARS + 30) 3/4" GRADE D SLK SUCKER RODS. STACK OUT ON PARAFFIN. P/U POLISHED ROD W/ STUFFING BOX AND SWIFN.
7/16/2013	7:00 - 7:15	0.25	DRLOUT	48		P		SAFETY = JSA.

US ROCKIES REGION  
Operation Summary Report

Well: NBU 307-6E				Spud Date:					
Project: UTAH-UINTAH			Site: NBU 307-6E				Rig Name No: MONUMENT 733/733		
Event: RECOMPL/RESEREVEADD			Start Date: 5/22/2013					End Date:	
Active Datum: RKB @0.00usft (above Mean Sea Level)				UWI: NBU 307-6E					
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation	
	7:15 - 17:00	9.75	DRLOUT	39		P		<p>SICP= 150#. SITP= 0#. MIRU HOT OILER. TRY TO FLUSH TBNG W/ HOT TMAC. PUMP 4BBLs TMAC &amp; PRESSURE UP. SO R/U TO CSNG &amp; FLUSH W/ 25 BBLs HOT TMAC &amp; RODS STILL NOT LOOSE. DECIDE TO POOH W/ INSERT PUMP. P/U 2-3/8" WAX KNIFE &amp; RIH TO SN @4530'. HEAVY PARAFFIN THRU LAST 10 RODS. R/U HOT OILER &amp; FLUSH TBNG W/ 20BBLs HOT TMAC. POOH W/ ROD STRING &amp; L/D WAX KNIFE.</p> <p>P/U INSERT PUMP &amp; PRIME / STROKE TEST PUMP GOOD. RIH W/ ROD STRING AS FOLLOWS:</p> <p>1-1/4" X 26' SPRAY METAL POLISHED ROD (USED) 7/8" X 4' GRADE D SLK PONY (NEW) 7/8" X 8' GRADE D SLK PONY (NEW) 48) 7/8" GRADE D SLK SUCKER ROD W/ SLIM HOLE SOFT BOX CPLNG (USED). 125) 3/4" GRADE D SLK SUCKER ROD W/ SOFT BOX CPLNG (USED). ALL CPLNGS REPLACED. 6) 1-1/4" GRADE D WEIGHT BARS (NEW) 7/8" X 2.50' GRADE D GUIDED STABALIZER BAR. RH RELEASE BACK-OFF TOOL. =.6' 2 X 1-1/4" X 16' X 19' X 19' THD INSERT PUMP W/ SCREEN NIPPLE. RHAC. PUMP #3236. ALT BALLS &amp; SEATS.</p> <p>SPACE OUT PUMP. SEAT PUMP. LOAD TBNG W/ 2BBLs TMAC. STROKE / PRESSURE TEST PUMP GOOD @ 1000#. R/U HORSE HEAD. HANG WELL ONTO PUMP JACK. PREP TO RDMOL IN THE AM. SDFN.</p>	

## US ROCKIES REGION

## 1 General

## 1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

## 1.2 Well/Wellbore Information

Well	NBU 307-6E	Wellbore No.	OH
Well Name	NBU 307-6E	Wellbore Name	NBU 307-6E
Report No.	1	Report Date	6/13/2013
Project	UTAH-UJINTAH	Site	NBU 307-6E
Rig Name/No.		Event	RECOMPL/RESEREVEADD
Start Date	5/22/2013	End Date	
Spud Date		Active Datum	RKB @0.00usft (above Mean Sea Level)
UWI	NBU 307-6E		

## 1.3 General

Contractor		Job Method		Supervisor	
Perforated Assembly		Conveyed Method			

## 1.4 Initial Conditions

Fluid Type		Fluid Density		Gross Interval	4,117.0 (usft)-4,289.0 (usft)	Start Date/Time	6/13/2013 12:00AM
Surface Press		Estimate Res Press		No. of Intervals	8	End Date/Time	6/13/2013 12:00AM
TVD Fluid Top		Fluid Head		Total Shots	54	Net Perforation Interval	18.00 (usft)
Hydrostatic Press		Press Difference		Avg Shot Density	3.00 (shot/ft)	Final Surface Pressure	
Balance Cond	NEUTRAL					Final Press Date	

## 1.5 Summary

## 2 Intervals

## 2.1 Perforated Interval

Date	Formation/ Reservoir	CCL@ (usft)	CCL-T S (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diameter (in)	Carr Type /Stage No	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
6/13/2013 12:00AM	GREEN RIVER/			4,117.0	4,118.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	



## US ROCKIES REGION

## 2.1 Perforated Interval (Continued)

Date	Formation/ Reservoir	CCL@ (usft)	CCL-T S (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diameter (in)	Carr Type /Stage No	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
6/13/2013 12:00AM	GREEN RIVER/			4,126.0	4,127.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	N
6/13/2013 12:00AM	GREEN RIVER/			4,142.0	4,144.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	N
6/13/2013 12:00AM	GREEN RIVER/			4,167.0	4,168.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	N
6/13/2013 12:00AM	GREEN RIVER/			4,172.0	4,173.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	N
6/13/2013 12:00AM	GREEN RIVER/			4,186.0	4,188.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	N
6/13/2013 12:00AM	GREEN RIVER/			4,259.0	4,263.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	N
6/13/2013 12:00AM	GREEN RIVER/			4,283.0	4,289.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	N

## 3 Plots

## 3.1 Wellbore Schematic



## US ROCKIES REGION

## 1 General

## 1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

## 1.2 Well/Wellbore Information

Well	NBU 307-6E	Wellbore No.	OH
Well Name	NBU 307-6E	Wellbore Name	NBU 307-6E
Report No.	2	Report Date	6/18/2013
Project	UTAH-UJINTAH	Site	NBU 307-6E
Rig Name/No.	MONUMENT 733/733	Event	RECOMPL/RESERVE/ADD
Start Date	5/22/2013	End Date	
Spud Date		Active Datum	RKB @0.00usft (above Mean Sea Level)
UWI	NBU 307-6E		

## 1.3 General

Contractor		Job Method		Supervisor	
Perforated Assembly		Conveyed Method			

## 1.4 Initial Conditions

Fluid Type		Fluid Density	
Surface Press		Estimate Res Press	
TVD Fluid Top		Fluid Head	
Hydrostatic Press		Press Difference	
Balance Cond	NEUTRAL		

## 1.5 Summary

Gross Interval	4,344.0 (usft)-4,519.0 (usft)	Start Date/Time	6/18/2013 12:00AM
No. of Intervals	4	End Date/Time	6/18/2013 12:00AM
Total Shots	24	Net Perforation Interval	8.00 (usft)
Avg Shot Density	3.00 (shot/ft)	Final Surface Pressure	
		Final Press Date	

## 2 Intervals

## 2.1 Perforated Interval

Date	Formation/ Reservoir	CCL@ (usft)	CCL-T S (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diamete r (in)	Carr Type /Stage No	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
6/18/2013 12:00AM	GREEN RIVER/			4,344.0	4,345.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	

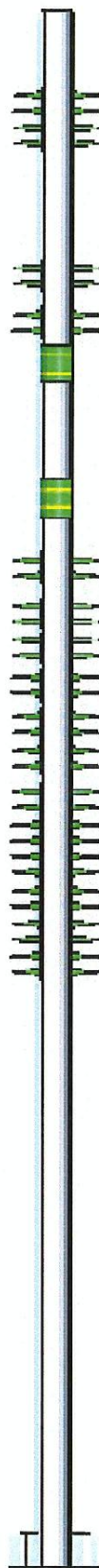
## US ROCKIES REGION

## 2.1 Perforated Interval (Continued)

Date	Formation/ Reservoir	CCL@ (usft)	CCL-T S (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diameter (in)	Carr Type /Stage No	Carr. Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
6/18/2013 12:00AM	GREEN RIVER/			4,390.0	4,392.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
6/18/2013 12:00AM	GREEN RIVER/			4,410.0	4,412.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
6/18/2013 12:00AM	GREEN RIVER/			4,516.0	4,519.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	

## 3 Plots

## 3.1 Wellbore Schematic



C

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 6

**ENTITY ACTION FORM**

Operator: KERR McGEE OIL & GAS ONSHORE LP Operator Account Number: N 2995  
Address: P.O. Box 173779  
city DENVER  
state CO zip 80217 Phone Number: (720) 929-6236

**Well 1**

API Number	Well Name	QQ	Sec	Twp	Rng	County
4304732014	NBU 307-6E	NWSE	6	10S	21E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
D	2900	19135				
<b>Comments:</b> The operator formally requests to change the subject well from the Natural Buttes Unit to the Maverick Unit.						

**Well 2**

API Number	Well Name	QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
<b>Comments:</b>						

**Well 3**

API Number	Well Name	QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
<b>Comments:</b>						

**ACTION CODES:**

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Teena Paulo

Name (Please Print)

Signature

Staff Regulatory Specialist

Title

8/9/2013

Date

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-1791
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>7. UNIT or CA AGREEMENT NAME:</b> MAVERICK
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>8. WELL NAME and NUMBER:</b> NBU 307-6E
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1979 FSL 2000 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSE Section: 06 Township: 10.0S Range: 21.0E Meridian: S		<b>9. API NUMBER:</b> 43047320140000
<b>PHONE NUMBER:</b> 720 929-6100		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION	<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <b>1/24/2014</b>
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input checked="" type="checkbox"/> OTHER			
<input type="checkbox"/> DRILLING REPORT Report Date:	OTHER: <span style="border: 1px solid black; padding: 2px;">Production Enhancement</span>			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  

The operator conducted the following workover/wellbore cleanout on the subject well on 1/24/2014. Please see the attached chronological well history for details. Thank you.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 February 24, 2014

<b>NAME (PLEASE PRINT)</b> Teena Paulo	<b>PHONE NUMBER</b> 720 929-6236	<b>TITLE</b> Staff Regulatory Specialist
<b>SIGNATURE</b> N/A	<b>DATE</b> 2/24/2014	



**US ROCKIES REGION**  
**Operation Summary Report**

Well: NBU 307-6E				Spud Date:				
Project: UTAH-UINTAH			Site: NBU 307-6E				Rig Name No:	
Event: WELL WORK EXPENSE			Start Date: 1/24/2014				End Date: 1/24/2014	
Active Datum: RKB @0.00usft (above Mean Sea Level)			UWI: NBU 307-6E					
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
1/24/2014	7:00 - 7:15	0.25	WO/REP	48		P		SAFETY = JSA.
	7:15 - 9:00	1.75	WO/REP	30		P		CP= 80#. TP= 80#. MIRU. BLOW DOWN WELL. X/O TO ROD EQUIP. R/D HORSE HEAD. UN-SEAT PUMP. L/D 2RODS. R/U HOT OILER BUT HOT OILER BROKE DOWN.
	9:00 - 11:45	2.75	WO/REP	46	E	Z		WAITING FOR NEW HOT OILER TO ARRIVE AND REPLACE BROKEN DOWN TRUCK.
	11:45 - 17:00	5.25	WO/REP	39		P		MIRU HOT OILER. FLUSH TBNG / ROD STRING W/ 35BBLS HOT TMAC-SOLVENT. P/U 2 RODS. RE-SEAT PUMP. PRESSURE TEST PUMP GOOD @ 1000#. BLEED OFF. POOH W/ ROD STRING. L/D 6 BAD 3/4" RODS F-4220' T-4370'. X/O ALL BAD 3/4" ROD BOXES (TOTAL OF 15).
								FAILURE: FOUND MODERATE TO HEAVY SCALE ON BOTTOM 8) 3/4" RODS & ALL 6 WEIGHT BARS. PUMP WAS LOCKED UP W/ SCALE. SCREEN NIPPLE WAS COATED W/ SCALE. SAMPLES WERE GATHERED AND SENT W/ BAKER FOR ANALYSIS.
								R/U HOT OILER & FLUSH TBNG AGAIN W/ 25BBLS HOT TMAC-SOLVENT. P/U INSERT PUMP & PRIME / STROKE TEST GOOD. RIH W/ ROD STRING AS FOLLOWS:
								1-1/4" X 26' SPRAY METAL POLISHED ROD 48) 7/8" GRADE D SLK SUCKER ROD W/ SLIM HOLE SOFT BOX CPLNG 125) 3/4" GRADE D SLK SUCKER ROD W/ SOFT BOX CPLNG . 6) 1-1/4" GRADE D WEIGHT BARS 3/4" X 2' GRADE D SLK PONY 3/4" X 4' GRADE D SLK PONY 3/4" X 6' GRADE D SLK PONY 7/8" X 2.50' GRADE D GUIDED STABILIZER BAR. RH RELEASE BACK-OFF TOOL. =.6' 2 X 1-1/2" X 20' THD INSERT PUMP W/ SCREEN NIPPLE. RWAC. PUMP #3725. ALT BALLS & SEATS.
								SPACE OUT PUMP. SEAT PUMP. LOAD TBNG W/ 5BBLS TMAC. STROKE / PRESSURE TEST PUMP GOOD @ 1000#. R/U HORSE HEAD. HANG WELL ONTO PUMP JACK. R/D RIG. BRING WELL ON LINE. PREP FOR RIG MOVE MONDAY MORNING. SDFN.
								NOTE: HAD TO REPLACE STUFFING BOX & BAD FLOW TEE DUE TO STRIPPED OUT THREADS.

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>			
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-1791			
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> MAVERICK			
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>8. WELL NAME and NUMBER:</b> NBU 307-6E			
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>9. API NUMBER:</b> 43047320140000			
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1979 FSL 2000 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSE Section: 06 Township: 10.0S Range: 21.0E Meridian: S		<b>9. FIELD and POOL or WILDCAT:</b> 435 LATERAL BUTTES  <b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH			
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
<b>TYPE OF SUBMISSION</b>  <input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 6/3/2016  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<b>TYPE OF ACTION</b>  <table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input checked="" type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION            OTHER: <input style="width: 100px;" type="text"/> </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input checked="" type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input checked="" type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;">           Kerr-McGee Oil &amp; Gas Onshore, LP respectfully requests to plug and abandon the NBU 307-6E (single) well. Please see the attached procedure for details. Thank you.         </div> <div style="width: 35%; text-align: right;"> <b>Accepted by the Utah Division of Oil, Gas and Mining</b>   <b>Date:</b> June 06, 2016  <b>By:</b> </div> </div>					
<b>NAME (PLEASE PRINT)</b> Candice Barber		<b>PHONE NUMBER</b> 435 781-9749			
<b>SIGNATURE</b> N/A		<b>TITLE</b> HSE Representative  <b>DATE</b> 6/3/2016			

NBU 307-6E  
2000' FEL & 1979' FSL  
NWSE SEC. 6, T10S, R21E  
Uintah County, UT

KBE: 5002'  
GLE: 4987'  
TD: 6491'  
PBSD: 6219'

API NUMBER: 43-047-32014  
LEASE NUMBER: U-1791  
LAT/LONG: 39.975095/-109.5929796

CASING : 12 1/4" hole  
9 5/8" 32.3# H-40 ST&C @ 232'

7 7/8" hole  
4 1/2" 10.5# J-55 LT&C @ 6306'  
Est. TOC 1980-2120' (CBL 7-8-13)

PERFORATIONS: Green River: 4117-18', 4126-27', 4142-44', 4167-68', 4172-73', 4186-88',  
4259-63', 4283-89', 4344-45', 4390-92', 4410-12', 4516-19'  
Previously Abandoned in Recomplete (4770' CIBP): Wasatch: 5482-92', 5555-66', 5998-6012', 6017-20'

TUBING: 2 3/8" 4.7# J-55 tbg at 4568'

RODS: Polished Rod 1.25" from 15' to 41',  
.875" D from 41' to 1241', .75" D from 1241' to 4366',  
1.25" D from 4366' to 4516', Pony Rods and Pump from 4516' to 4551'

Tubular/Borehole	Drift inches	Collapse psi	Burst psi	Capacities		
				Gal./ft.	Cuft./ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1624	0.02171	0.00387
4.5" 10.5# J-55	3.833	5720		0.6699	0.0895	0.0159
9.625" 32.3# H-40 csg	8.845	1400	2270	3.3055	0.4418	0.0787
<b>Annular Capacities</b>						
2 3/8" tbg. X 4 1/2" csg				0.4226	0.0565	0.01
4.5" csg. X 9.625" 32.3# csg.				2.478	0.3314	0.059
4.5" csg X 7 7/8 borehole				1.704	0.2278	0.0406
9 5/8" csg X 12 1/4" borehole				2.3436	0.3132	0.0558

#### GEOLOGIC INFORMATION:

Formation	Depth to top, ft.
Uinta	Surface
Green River/Parachute	1,427'
Birdsnest	1695'
Mahogany	2,181'
Parachute Base	3050'
Wasatch	4,774'

<http://geology.utah.gov/online/ss/ss-144/ss-144pl1.pdf>

USDW Elevation ~2002' MSL  
USDW Depth ~3000' GL



## **NBU 307-6E PLUG & ABANDONMENT PROCEDURE**

### **GENERAL**

- H<sub>2</sub>S MAY BE PRESENT. CHECK FOR H<sub>2</sub>S AND TAKE APPROPRIATE PRECAUTIONS.
- CEMENT QUANTITIES BELOW ASSUME NEAT CLASS G, YIELD 1.145 CUFT./SX. IF A DIFFERENT PRODUCT IS USED, WELLSITE PERSONNEL ARE RESPONSIBLE FOR CORRECTING QUANTITIES TO YIELD THE STATED SLURRY VOLUME. WHEN SQUEEZING, INCLUDE 10% EXCESS PER 1000' OF DEPTH.
- TREATED FRESH WATER WILL BE PLACED BETWEEN ALL PLUGS INSTEAD OF BRINE.
- ALL DISPLACEMENT FLUID SHALL CONTAIN CORROSION INHIBITOR AND BIOCIDES. PREMIX 5 GALLONS PER 100 BBLS FLUID AND IS TO BE PLACED BETWEEN ALL PLUGS.
- NOTIFY APPROPRIATE AGENCY 24 HOURS BEFORE MOVING ON LOCATION.
- A GPS READING WILL NEED TO BE TAKEN AT THE WELL SITE AND RECORDED IN OPENWELLS. PLEASE TAKE IT TO THE 6TH DECIMAL PLACE.

### **PROCEDURE**

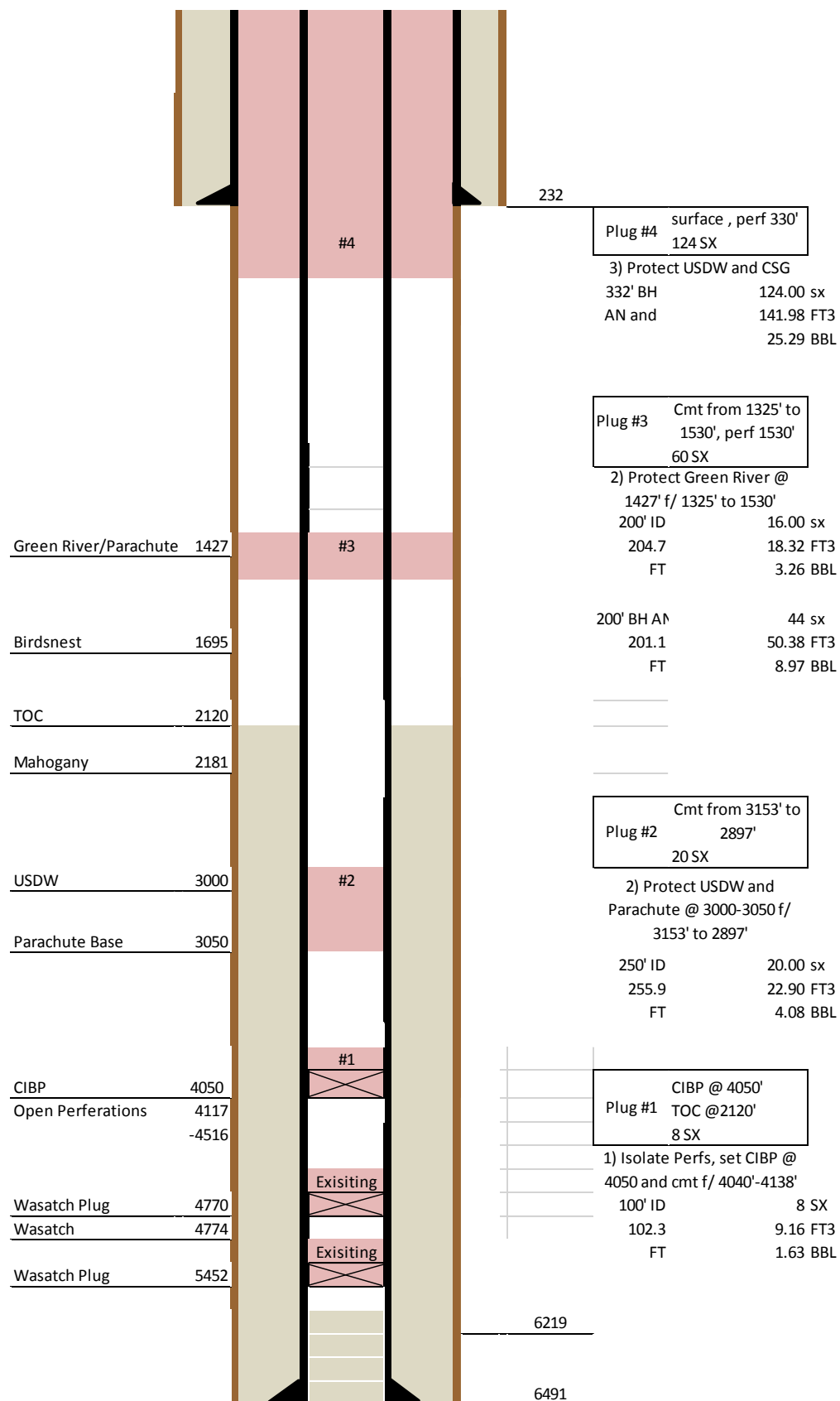
**Note:** Approx. **212 sx** Class "G" cement needed for procedure & **(1) 4.5" CIBP**

**Note:** No Gyro survey on record for this wellbore.

1. A GPS READING WILL NEED TO BE TAKEN AT THE WELL SITE AND RECORDED IN OPENWELLS. PLEASE TAKE IT TO THE 6TH DECIMAL PLACE.
2. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE.
3. POOH W/ TBG & L/D SAME. RU WIRELINE AND MAKE A GAUGE RING RUN TO CHECK FOR FILL. RUN GYRO SURVEY.k
4. **PLUG #1, ISOLATE GREENRIVER PERFORATIONS (4117-4516):** RIH W/ 4 ½" CIBP. SET @ ~4050'. RELEASE CIBP, PUH 10', CIRC ENTIRE HOLE W/ TREATED FRESH WATER AND PRESSURE TEST CASING. SET A 102FT BALANCED CMT PLUG F/ 4040'-4138' (**8 SXS, 9.16 FT3, 1.63 BBLS**).
5. **PLUG #2, PROTECT USDW (3000') AND PARACHUTE BASE (3050'):** PUH WITH TUBING AND PUMP (255.9 FT) F/ 3153' to 2897' (**20 SXS, 22.90 FT3, 4.08 BBLS**).
6. **PLUG #3, GREENRIVER SQUEEZE (1427'):** POOH AND RIG UP WIRELINE. RIH WITH PERF GUNS FOR 4.5" CASING @ 4 SPF. PERFORATE CASING AT ~1527' (TOC @ ~2120'). POOH AND CONTROL WELL WITH FRESH WATER AS NECESSARY. RIH WITH 4.5 CIBP AND SET AT ~1527'. POOH AND RIG DOWN WIRELINE. RIH WITH TUBING AND PUMP ~60 SX (30' FOR RETAINER AND 170' FOR TOTAL OF 200').
7. **PLUG #4, PROTECT CASING SHOE (232') AND FILL SURFACE HOLE AND ANNULUS:** POOH AND RIG UP WIRELINE. RIH WITH PERF GUNS FOR 4.5" CASING @ 4 SPF. PERFORATE CASING AT ~332' (TOC @ ~2120'). PUMP A MINIMUM OF (**124 SXS, 141.98 FT3, 25.29 BBLS**) (INCLUDES 10% EXTRA) CMT TO FILL 4 ½" CASING AND ANNULUS FROM 332' TO SURFACE.
8. CUT OFF WELLHEAD AND INSTALL MARKER PER REGULATIONS.
9. RDMO. TURN OVER TO OPERATIONS FOR SURFACE REHAB. SURFACE RECLAMATION TO BE PERFORMED IN ACCORDANCE TO REGULATIONS.

EJW 1/5/2016

## NBU 307-6E



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-1791
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>7. UNIT or CA AGREEMENT NAME:</b> MAVERICK
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>8. WELL NAME and NUMBER:</b> NBU 307-6E
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1979 FSL 2000 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSE Section: 06 Township: 10.0S Range: 21.0E Meridian: S		<b>9. API NUMBER:</b> 43047320140000
<b>PHONE NUMBER:</b> 720 929-6456		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/19/2016	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input checked="" type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Kerr-McGee Oil & Gas Onshore, LP has plugged and abandoned the NBU 307-6E well. Please see the operations summary report for details. Thank you.		
Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> July 26, 2016		
<b>NAME (PLEASE PRINT)</b> Jennifer Thomas	<b>PHONE NUMBER</b> 720 929-6808	<b>TITLE</b> Regulatory Specialist
<b>SIGNATURE</b> N/A	<b>DATE</b> 7/25/2016	

**US ROCKIES REGION**  
**Operation Summary Report**

Well: NBU 307-6E				Spud date:					
Project: UTAH-UINTAH				Site: NBU 307-6E				Rig name no.: MILES-GRAY 1/1	
Event: ABANDONMENT				Start date: 7/15/2016			End date: 7/19/2016		
Active datum: RKB @0.00usft (above Mean Sea Level)				UWI: NBU 307-6E					
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation	
7/15/2016	7:00 - 7:15	0.25	ABANDP	48	B	P		SAFETY = JSA.	
	7:15 - 10:00	2.75	ABANDP	30	A	P		ROAD RIG TO LOCATION FROM NBU 205-8. MIRU. SPOT IN ALL EQUIP.	
	10:00 - 15:00	5.00	ABANDP	39	B	P		SICP= 1100#. SITP= 850#. BLOW DOWN WELL TO FLOWBACK TANK. X/O TO ROD EQUIP. L/D POLISHED ROD & 2 SUCKER RODS. MIRU HOT OILER. FLUSH RODS & TBNG W/ 45BBLs HOT TMAC. POOH WHILE L/D ALL SUCKER RODS & PUMP AS FOLLOWS:  1-1/4" X 26' SPRAY METAL POLISHED ROD 48) 7/8" GRADE D SLK SUCKER ROD W/ SLIM HOLE SOFT BOX CPLNG 125) 3/4" GRADE D SLK SUCKER ROD W/ SOFT BOX CPLNG . 6) 1-1/4" GRADE D WEIGHT BARS 3/4" X 2' GRADE D SLK PONY 3/4" X 4' GRADE D SLK PONY 3/4" X 6' GRADE D SLK PONY 7/8" X 2.50' GRADE D GUIDED STABILIZER BAR. RH RELEASE BACK-OFF TOOL. =.6' 2 X 1-1/2" X 20' THD INSERT PUMP W/ SCREEN NIPPLE. RWAC. PUMP #3725. ALT BALLS & SEATS.  RDMO HOT OILER.	
	15:00 - 16:30	1.50	ABANDP	30	F	P		X/O TO TBNG EQUIP. NDWH. NUBOP. FUNCTION TEST BOP GOOD. R/U FLOOR & TBNG EQUIP. UN-LAND TBNG. RMV HANGER. PREP FOR TBNG SCAN. SWIFN. LOCK RAMS. SDFN.	
7/18/2016	7:00 - 7:15	0.25	ABANDP	48	B	P		SAFETY = JSA. HOT OILER, SCANNERS & RIG CREW.	
	7:15 - 10:30	3.25	ABANDP	31	I	P		SICP= 500#. SITP= 200#. OPEN CSG TO FLOWBACK TANK. MIRU HOT OILER & PUMP 50BBLs HOT TMAC DOWN TBNG (WELL CIRCULATING OIL). INSTALL WASHINGTON RUBBER. MIRU SCANNERS. POOH WHILE SCANNING 142JTS 2-3/8" J-55 TBNG + ROD PUMP BHA. L/D ALL TBNG AS SINGLES FOR BETTER INSPECTION. SCAN RESULTS AS FOLLOWS:  Y-BND TBG= 86JTS R-BND TBG= 56JTS.	
	10:30 - 11:30	1.00	ABANDP	31	H	P		RDMO SCANNERS. R/U HOT OILER. FLUSH / BULLHEAD 60BBLs HOT TMAC DOWN 4-1/2" PRODUCTION CSNG. BLEED OFF PRESSURE.	
	11:30 - 13:30	2.00	ABANDP	31	G	P		P/U & RIH W/ 4-1/2" WEATHERFORD CIBP + 128JTS 2-3/8" J-55 TBNG. SET CIBP @ 4050'. PUH 10'.	

**US ROCKIES REGION**  
**Operation Summary Report**

Well: NBU 307-6E

Spud date:

Project: UTAH-UINTAH

Site: NBU 307-6E

Rig name no.: MILES-GRAY 1/1

Event: ABANDONMENT

Start date: 7/15/2016

End date: 7/19/2016

Active datum: RKB @0.00usft (above Mean Sea Level)

UWI: NBU 307-6E

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	13:30 - 14:25	0.92	ABANDP	31	H	P		MIRU HOT OILER. BREAK CONV CIRC W/ HOT TMAC. CIRC WELLBORE UNTIL CLEAN & GAS FREE W/ 85BBLs HOT TMAC. SWI.
	14:25 - 14:40	0.25	ABANDP	52	F	P		PRESSURE TEST 4-1/2" CSNG & CIBP GOOD @ 500#. LOST 0# IN 5MIN. BLEED OFF PRESSURE.
	14:40 - 17:00	2.33	ABANDP	51	D	P		NOTE: P&A WITNESSED BY SHERRY JESSON W/ BLM. MIRU CMT CREW. BREAK CONV CIRC. W/ 5BBLs TMAC. ALL CMT 15.8# G CMT. PUMP CMT PLUGS AS FOLLOWS:  #1. CIBP @ 4050'. EOT @ 4040'. PUMP 2BBL FRESH WATER LEAD. PUMP 10SX CMT. DISPLACE W/ 1BBL FRESH WATER & 13.8BBLs TMAC. LET PLUG BALANCE OUT. PUH TBNG.  #2. EOT @ 3153'. FILL HOLE W/ TMAC. PUMP 2BBL FRESH WATER LEAD. PUMP 20SX CMT. DISPLACE W/ 1BBL FRESH WATER & 9.9BBLs TMAC. LET PLUG BALANCE OUT. PUH TBNG. L/D TBNG TO ALLOW ROOM FOR CIRC. STAND BACK 46JTS. L/D SETTING TOOL. SWIFN. LOCK RAMS. SDFN.
7/19/2016	7:00 - 7:15	0.25	ABANDP	48	B	P		SAFETY = JSA. E-LINE, CEMENT CREW, RIG CREW.
	7:15 - 9:00	1.75	ABANDP	34	H	P		0# ON WELL. MIRU WIRELINE. P/U & RIH W/ 4HOLE X 1' SQZ GUN. PERF 4-1/2" PRODUCTION CSNG @ 1537'. TRY TO PUMP INTO SQZ HOLES BUT COULDNT INJECT. PRESSURE TESTED SOLID @ 500#. LOST 0# IN 5MIN. BLEED OFF PRESSURE.  DECIDED TO LOOK BACK IN OPEN WELL TO SEE IF A TOP DOWN CMT JOB HAD BEEN DONE. SUFACE WAS CEMENTED W/ 375SX THIXO CMT ON 6-6-13.  NOTE: SHERRY JESSON W/ BLM ON LOCATION TO WITNESS P&A. BLM AGREED TO SPOT A 200' BALANCED PLUG ACROSS THE SQZ HOLES @ 1537' AND THEN TOP OUT 100' OF THE 4-1/2" PRODUCTION CSNG & SURFACE.  RDMO WIRELINE.
	9:00 - 11:00	2.00	ABANDP	51	D	P		P/U & RIH W/ 51JTS 2-3/8" J-55 TBNG + N.C. TO 1636'. R/U CMT CREW. PUMP BALANCED PLUG AS FOLLOWS:  EOT @ 1636'. BREAK CONV CIRC. PUMP 15BBLs TMAC. PUMP 2BBLs FRESH WATER. PUMP 16SX 15.8# G CMT. DISPLACE W/ 5.5BBLs TMAC. POOH ALL TBNG. RDMO RIG.

## US ROCKIES REGION

## Operation Summary Report

Well: NBU 307-6E

Spud date:

Project: UTAH-UINTAH

Site: NBU 307-6E

Rig name no.: MILES-GRAY 1/1

Event: ABANDONMENT

Start date: 7/15/2016

End date: 7/19/2016

Active datum: RKB @0.00usft (above Mean Sea Level)

UWI: NBU 307-6E

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	11:00 - 13:00	2.00	ABANDP	51	D	P		<p>MIRU ROUSTABOUT CREW. EXPOSE WELLHEAD. CUT &amp; LOWER WELLHEAD. R/U CMT CREW. PUMP 15SX 15.8# G CMT DOWN 4-1/2' CSNG UNTIL FULL (STAYED FULL). RIH W/ 100' 1" TBNG DOWN SURFACE CSNG ANNULUS. PUMP 55SX 15.8# G CMT UNTIL FULL (STAYED FULL). RDMO CMT CREW. P&amp;A COMPLETE.</p> <p>INSTALL MARKER PLATE ON WELL. BACKFILL WELLHEAD.</p> <p>WELLHEAD COORDINATES: LAT: 39.975095 LONG:-109.5920796</p>